

The CHEMIST AND DRUGGIST

RETAILER — WHOLESALER — MANUFACTURER

DECEMBER 10, 1949

DISPLAY and RECOMMEND



'ZEPHROL'

trade mark

brand

ephedrine cough syrup

sells at 2s. 1½d. per bottle

- * ATTRACTIVE SHOWCARDS SUPPLIED ON REQUEST
- * BONUS TERMS OF 13 TO THE DOZEN AVAILABLE IN RETURN FOR DISPLAY SERVICES

manufactured by

MAY & BAKER LTD

distributors

PHARMACEUTICAL SPECIALITIES (MAY & BAKER) LTD., DAGENHAM



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THE BARTLETT SERIES
of the
Perfect Eyebrow Pencil

**ON SALE AGAIN
FOR THE FIRST
TIME SINCE 1931**

BLACK
LIGHT BROWN &
DARK BROWN

4/- dozen plus Purchase Tax
Fixed price to public 10d. each

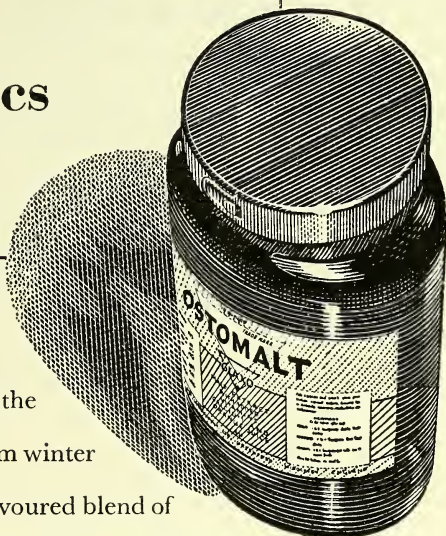
ORDER FROM
YOUR USUAL WHOLESALE

Wholesale enquiries to

ALFRED FRANKS & BARTLETT CO. LTD
AUDREY HOUSE, ELY PLACE, LONDON, E.C.

PRIDE OF PLACE

among tonics



Another winter is on the way. Now is the
 time for Ostomalt; for building up firm winter
 resistance with Ostomalt's orange-flavoured blend of
 vitamins A & D, minerals and malt. Ostomalt is *highly concen-*
trated—only teaspoonful doses are needed. There is a place for
 it in the cupboard of every customer . . . and on every jar
 there is a worthwhile profit for you.



the elegant vitamin tonic malt food

Jars: $\frac{1}{2}$ -lb. 2/- 1-lb. 3/6 less usual trade discount

SPECIAL PARCEL TERMS

Parcel No. 10 2 doz. \times $\frac{1}{2}$ -lb. Cost to chemist £1.12.0 Parcel No. 11 1 doz. \times 1-lb. Cost to chemist £1.8.0

GLAXO LABORATORIES LTD., GREENFORD, MIDDLESEX. BYRON 3434

Abridged Particulars for Information only.

Application has been made to the Council of the Stock Exchange, London, for permission to deal in and for quotation for the whole of the issued Preference and Ordinary shares of the Company.

MORGAN BROTHERS (PUBLISHERS) LIMITED

(Incorporated under the Companies Acts 1908 to 1917)

PROPRIETORS AND PUBLISHERS OF TRADE AND
TECHNICAL JOURNALS

SHARE CAPITAL

Authorised		Issued and Fully Paid
£200,000	in 7% Cumulative Preference shares of £1 each ...	£200,000
£300,000	in Ordinary shares of 5/- each	£273,250
£500,000		£473,250

There are no Mortgages, Debentures or Loan Capital.

The full Advertisement shows, inter alia, that:

1. The business of the Company, which was incorporated on the 30th April, 1929, includes the publication of three weekly journals, "The Ironmonger" and "The Chemist and Druggist" which have been published continuously since 1859, and "The Engineer", which has appeared regularly since 1856. The Company also publishes two monthly journals, "The Chemist and Druggist Export Review" and "Electronic Engineering", also "Kemp's Engineer's Year Book" and other technical books and monographs concerning the industries covered by its weekly and monthly publications.

2. The Company has made steady progress over the past fifteen years and throughout this period the three old-established weekly journals owned by the Company have more than maintained their position as leaders in the industries they serve, and the circulation and advertisement revenue of each of them are higher today than at any time in the last 15 years. During the short period that the Company has owned "Electronic Engineering" its circulation has grown steadily and the number of firms making use of its advertising pages has materially increased.

3. As supplies of paper become more plentiful, it is the intention of the Directors further to improve the appearance and lay-out of the Company's journals and to devote more space to the editorial contents, upon the high standard of which the success of the journals must always depend. This policy is now beginning to operate and the additional expenditure entailed is at present being met by increased revenue.

4. The Directors are of the opinion that the profits for the year ending 31st March, 1950, should approximate to the profits for the year ended 31st March, 1949, which profits, as shown in the Auditors' Report set out in the full advertisement, amounted to £162,631. This opinion is based on the trading results up to the 30th September, 1949, as shown in the Company's interim accounts. These profits would justify the Directors in recommending the payment of an ordinary dividend for the year at the same rate, namely 15 per cent., as for the two years ended 31st March, 1948 and 1949. On the basis of the profit for the year ended 31st March, 1949 (£162,631) and after deduction of the preference dividend (£14,000) the proposed ordinary dividends (£40,988) and Profits Tax at the current rates on these dividends and on the undistributed profits (£27,250), there would remain £80,393, subject to Income Tax, to be carried forward in the Company's accounts.

An interim dividend of 5 per cent. on the Ordinary shares was paid on 1st December, 1949, in respect of the current financial year of the Company.

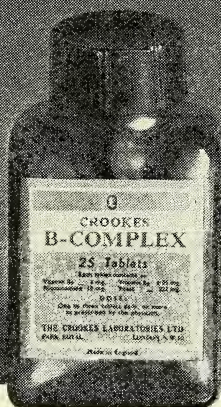
5. According to the audited balance sheet as at the 31st March, 1949, the net assets, excluding Goodwill, amount to £227,447. Goodwill stands at £385,747 bringing the total net assets, including Goodwill, to £613,194.

A copy of the advertisement giving full particulars as required to be advertised in connection with the application made to the Council of the Stock Exchange, London, for permission to deal in and for quotation for the Preference and Ordinary Shares of the Company, may be had on application to:

*Ian Anderson and Nairn,
1, Throgmorton Street, London, E.C.2, and The Stock Exchange*

When the clinical condition suggests

**NUTRITIONAL
DEFICIENCY**



It is not always easy to determine which particular factor of the complex is lacking. In such cases administration of the whole vitamin B complex is to be preferred.

Crookes B-Complex Tablets provide a special strain of yeast, with standardised amounts of vitamin B₁ and B₂, and nicotinamide.

They are agreeably sugar-coated, thus overcoming any objection

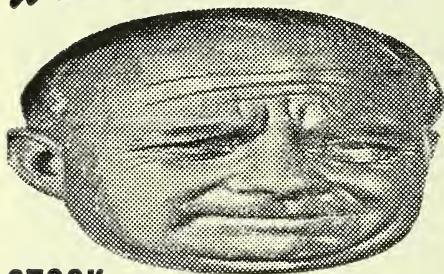
to taste or smell.

CROOKES

B-COMPLEX TABLETS

ISSUED IN BOTTLES OF 25, 100, 500 AND 1,000

*have you
a sales headache?*



STOCK

Cephos
REGD

THE SAFE & CERTAIN REMEDY



CEPHOS LIMITED • BLACKBURN

ESTABLISHED 1878

*Labels -
Cartons -
Envelopes -*

& EVERY DESCRIPTION
OF MEDICAL PRINTING

ALF. HARRISON & SONS

Chemists' Printers

BURLEY ROAD, LEEDS, 4.

TELEPHONE: LEEDS 52668-9 TELEGRAMS: 'IDEAS' LEEDS



**COMPRESSED
TABLETS**

**AMINOPHYLLINE
A.P.C.
BARBITONE SODIUM
BUTOBARBITONE
CODEINE CO.
CYCLOBARBITONE
EPHEDRINE HCL.
HEXOBARBITONE
PHENOBARBITONE
SULPHAGUANIDINE**

AMBER PHARMACEUTICALS LTD

Manufacturers of Fine Chemicals and Pharmaceutical Products.

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AYRTON'S

SPEED AND CERTAINTY

are necessary where Penicillin and its Preparations are concerned

ALL SUPPLIES ARE POST-PAID
SAME DAY AS ORDER RECEIVED

PENICILLIN

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Penetrol sales are soaring...



When colds and 'flu are about, the public demand for Penetrol Inhalant and the attractive Penetrol Inhaler increases so rapidly that unless you have adequate stocks on hand you may lose your share of the seasonable turnover. See your stocks are sufficient to meet the seasonable demand created by our substantial National advertising.

★ Penetrol products include Inhalant, Inhaler, Tablets, Pastilles and Drops.

W. B. CARTWRIGHT LIMITED, RAWDON, LEEDS

AMINOPHYLLINE

ASPIRIN

BROMIDES

BEECHWOOD CREOSOTE

CHLORAL HYDRATE

PHENAZONE 'RHODIA' BRAND

POTASSIUM BROMATE

**QUININE SALTS 'AMSTERDAM'
& 'MAARSEN' BRAND**

SPOT DELIVERY OR ON CONTRACT

R. W. GREEFF & Co., Ltd.

12 FINSBURY CIRCUS, LONDON, E.C.2

Telegrams: GREEFF AVE LONDON.

Telephone: LONDON WALL 3241

Making plans for 1950?

Then investigate

COX'S INDIVIDUAL --- --- --- PACKAGING SERVICE

. . . Packaging that provides a Sales-building individuality that can be achieved in no other way

. . . Packaging that has greater sales appeal and greater protection

. . . Packaging individuality that costs the Pharmacist NOTHING TO ADOPT.

WRITE FOR FULL DETAILS]

ARTHUR H. COX & CO. LTD. BRIGHTON, SX.

Here are the Johnson twins with DOUBLE sales appeal

Johnson's Baby Powder — that you know so well as a consistent seller — now has a twin — Johnson's Baby Lotion! It sets mothers rejoicing and babies cooing all over the world.

Johnson's Baby Lotion makes nappie changing *easier — cleaner — quicker*. It was first introduced in hospitals and baby clinics to protect babies' tender skin and prevent nappie rash. You can recommend it for sunburn, windburn, chapping and skin irritations.

To every mother who buys Baby Powder, sell her Baby Lotion, too. They'll appreciate these twin aids in baby care, and you make twin sales where you made only *one* before.



Johnson's { **BABY LOTION**
BABY POWDER

for quicker, soothing nappie changing

for sweet and gentle, happy bathing

JOHNSON & JOHNSON (GT. BRITAIN) LTD · SLOUGH AND GARGRA



*An indispensable
collection of vitamins in*

Trade Mark **'BETAXAN'** COMPOUND

ADMINISTRATION OF 'Betaxan' Compound, a combination of the water-soluble vitamins B₁, B₂, C and nicotinamide, is indicated particularly in those conditions which throw an added strain on the individual—pregnancy, lactation and fever, and especially in convalescence.

During the spring months 'Betaxan' Compound pellets taken regularly will supplement any inadequate supply of vitamins, and guard against the minor ailments associated with vitamin deficiency.

Pellets in tubes of 20 and bottles of 100, 250, 1000.



BA Y E R P R O D U C T S L I M I T E D
A R I C A H O U S E , K I N G S W A Y , W . C . 2 (H O L . 8 7 3 0)



A MOVING PICTURE..

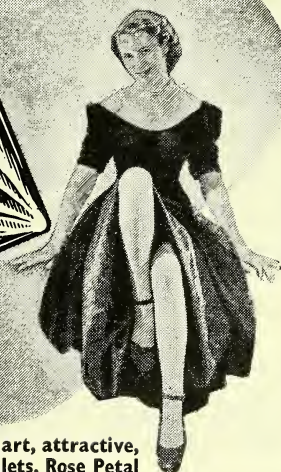
Hiltone's popularity makes it a ready seller and this year's increased press advertising will ensure bigger-than-ever sales. Hiltone's famous slogan "as light as you like . . . and no lighter" will be seen by millions of women, and country-wide demonstrations will keep Hiltone in their minds. For brightening and lightening the hair to new, natural-looking beauty, Hiltone's controlled action is unequalled. Stock Hiltone, display it—you'll sell it.

HILTONE

AS LIGHT AS YOU LIKE . . . AND NO LIGHTER

COUNTY PERFUMERY CO. LTD., STANMORE, MIDDLESEX

Exclusive for Nylons- ROSE PETAL WASH



Luxury
but every woman
can afford

Presented in smart, attractive,
transparent wallets, Rose Petal
Wash sells on sight. Window
display bills are available

ROSE PETAL WASH is prepared from purest soapless detergents and is
designed especially for precious nylon stockings. Its delicate rose perfume
will be irresistible to your customers.

ROSE PETAL WASH retails at only 8d. (inc. tax) per packet of about 20
ashes. The trade price is 5/- per doz. (plus 1/9 tax per doz.) in 3 doz.
display outers.

SPECIAL DIRECT ORDER TERMS

6 doz. lots—less 2½% 12 doz. lots—less 5%
For larger quantities send for special terms
Cash with order—less 2½%. Minimum 6 doz. lots

ROSE PETAL PRODUCTION CO., 40-44 FULHAM HIGH ST., LONDON, S.W.6
PUTney 4155

Aspirin Therapy brought to Perfection



Following many doctors' request

MAGSILATE HALF STRENGTH FOR CHILDREN is now available

As the administration of analgesics to young children should be under control of the medical practitioner, Magsilate Half Strength is supplied in Dispensing Packs ONLY:

120 tablets 8/3 net, 480 tablets 32/-
(Free of P.T.)

PALATABLE—NO WATER REQUIRED



FULL STRENGTH: 4d. and 1/10d. (including P.Tax)

Dispensing Packs: 120 tablets 8/9d. net and 480 tablets 34/- net (free of P.Tax)

A product of **WESTMINSTER LABORATORIES LTD.**, Chalcot Road, London, N.W.1

EXPERT GUIDANCE IN TRUSS FITTING

Under the National Health Service these appliances can be ordered on EC10 forms.

Pharmacists should be fully acquainted with the practical details involved in the supplying and fitting of them.

The informative series of articles on the subject recently published in *THE CHEMIST AND DRUGGIST* have been reprinted in booklet form, "THE FITTING OF TRUSSES AND ELASTIC HOSIERY," which provides full information in concise detail. Copies should be handy for reference purposes in every pharmacy.

Supplies are now available at following prices:-

- Single copies 1/6 post free
- 1 doz. copies 1/4 each post free
- 2 doz. copies 1/3 each post free
- 50 copies or over . . . 1/- each post free

Orders with remittance to the Publisher:

The CHEMIST AND DRUGGIST
28 Essex St. Strand - London, W.C.2

FOR SALE

BOTTLES & JARS

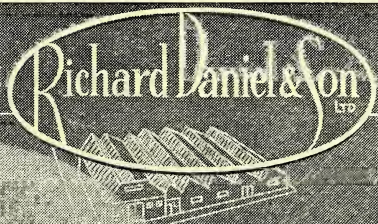
Also Bakelite and Metal Screw Caps
SUBSTANTIALLY REDUCED PRICES

Large stocks of various kinds available for immediate delivery. Just send us details of your requirements stating quantities you want of each item and we will gladly quote by return.

RELiance TRADING CO

13 NEW COLLEGE PARADE,
FINCHLEY ROAD, LONDON, N.W.11

Telephone: PRIMrose, 5611 and 3167
Telegrams: 'GORDON' PRIMROSE 5611



PROPRIETARIES
SUNDRIES DRUGS
TABLETS & PILLS

FOR
CHEMISTS

*Manufacturing
Chemists*

Office & Works Mansfield Road Derby Telephone 4266 (4 lines) Branch Warehouse Grosvenor St. Ashton-under-Lyne Telephone 2816 (2 lines)

3 NEW LINES!

PAG PUMP ASTHMA INHALER

Retail Prices:	PUMP ALONE	36 / 6
Less 40%	PUMP & INHALER	64 / -

DOUBLE SIZE RIDDOBRON

Retail 17/-

ASTHMA INHALANT

RIDDOBRON TABLETS 20's @ 5/-
100's @ 22/6

— ALL TAX FREE —

RIDDELL PRODUCTS LIMITED
AXTELL HOUSE · WARWICK STREET · LONDON · W.1

Telephone: GERrard 3574



Winter Business for Rexall Chemists is well ahead of last year

Rexall Cherry Bark Cough Syrup
Rexall Bronchial & Catarrh Syrup
Rexall Cough Mixture
Rexall Bone & Nerve Liniment
Rexall Glycerine, Honey & Lemon
with Ipecac.
Rexall Huskoids
Rexall Cold & Influenza Mixture
Rexall Malt & Cod Liver Oil

and **BISMA-REX** continues our
leading all-the-year-round seller.



REXALL DRUG COMPANY LTD.
Kirkewhite Street, NOTTINGHAM

*Meeting two
modern needs*

The bottle position has improved for **SANIDENT** and **ZOFLORA** sizes and we are now able to supply in greater quantities.



SANIDENT

*Denture
Cleaner*

Twenty years of regular use have proved its efficiency and safety.

Retail 1/4½

*LAST THING
EVERY NIGHT*



Zoflora

Perfumed

DISINFECTANT

is an efficient germicide, fragrant with strongly antiseptic floral oils and synthetics, and is especially suitable for the spraying of rooms, to dispel tobacco, cooking or unwanted odours. It is of particular value in the sickroom, where it purifies the atmosphere and refreshes nurses and patients alike.

*PURIFIES
THE AIR*

Retail Price 2/-
Complete Spraying
Outfit 10/-

Usual Trade Discounts

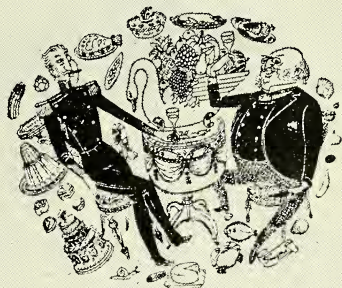
THORNTON & ROSS

Manufacturing Chemists
LINTHWAITE, WIDDERSFIELD

Did you know?

THE PLEASURES OF THE TABLE

It's not how much you eat it's what you eat that brings on indigestion. Acid Stomach, flatulence, pains after meals are quickly relieved by Dr. Jenner's. These pleasant tasting Lozenges have been famous for 150 years for their speedy comforting action. 1/7 & 3/9 from Chemists only.



Savory & Moore Ltd., Lawrence Road, London, N.15

DR. JENNER'S

FOR INDIGESTION

This is one of the advertisements for Dr. Jenner's Absorbent Lozenges planned to appear regularly during the next twelve months in National Media, including the following :—

PUNCH, PICTURE POST, DAILY MAIL, DAILY MIRROR, NEWS OF THE WORLD, SUNDAY DISPATCH, SUNDAY PICTORIAL, SUNDAY GRAPHIC, EMPIRE NEWS, NEWS CHRONICLE, ETC.

Make sure your stocks are adequate to meet demand. Write now for advantageous Bonus Terms.

SAVORY & MOORE LTD
STANDARD WORKS,
LAWRENCE RD., LONDON. N.15

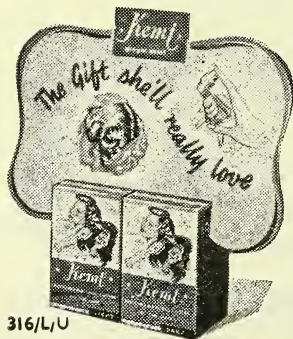


Kemt Christmas Campaign

Gathering Speed



The big pre-Christmas Sales Campaign for Kemt Magic Mist is well under way. Millions of advertisements have already appeared in the leading National Daily, Sunday and Weekly papers. Millions more will appear during the busy shopping weeks before Christmas. Don't be left behind. Get your order in NOW on this profitable line and link up with Kemt advertising by displaying the attractive crowner shown below.



75 MILLION
Adverts now appearing
 and we supply this compelling display unit
 to clinch the Sales at your counter

Kemt Magic Mis

SILVIKRIN LABORATORIES LIMITED.

Sole Selling Agents : Prichard & Constance (Manufacturing) Limited, North Circular Road, N.W.1.
 Telephone : FI 6095.

RATIONALISATION

The arrangement by which our penicillin is made available to hospital and trade customers through seven well-known pharmaceutical houses, each with its highly organised distribution facilities, is a good example of rationalisation in industry.

We at Speke are kept informed by our distributors of the needs of pharmacists and are constantly aware of our close connection with these men and women in their task of supplying the physician with drugs of a high purity and potency.

PENICILLIN

Manufactured by :

THE DISTILLERS COMPANY (BIOCHEMICALS) LTD.

Distributed by :

ALLEN & HANBURY LTD.	BRITISH DRUG HOUSES LTD.
BOOTS PURE DRUG CO. LTD.	EVANS MEDICAL SUPPLIES LTD.
BURROUGHS WELLCOME & CO.	IMPERIAL CHEMICAL (PHARMACEUTICALS) LTD.
PHARMACEUTICAL SPECIALITIES (MAY & BAKER) LTD.	

THE DISTILLERS COMPANY (BIOCHEMICALS) LTD

FLEMING ROAD

SPEKE

LIVERPOOL

**CALCIUM GLUCONATE
CITRIC ACID
CREAM OF TARTAR
ITACONIC ACID
ROCHELLE SALTS
TARTARIC ACID**

•

**LITHIUM BENZOATE
LITHIUM CARBONATE
LITHIUM CHLORIDE
LITHIUM CITRATE
LITHIUM HYDROXIDE
LITHIUM SALICYLATE
LITHIUM SULPHATE**

•

Kemball, Bishop & Co. Ltd.

MANUFACTURING CHEMISTS, ESTABLISHED 1870

**Crown Chemical Works, Three Mill Lane, Bromley-by-Bow, London, E.3
ENGLAND**

Telephone: ADVANCE 1234 (7 lines) Telegrams: KEMBALL, LONDON, ENG,
CODES ABC 6th Bentleys Private

Stafford Allens

Founded 1833

MEDICINAL EXTRACTS

**SOLID — Powdered
or granulated, and
LIQUID EXTRACTS**



CASCARA

Ext. Casc. Sag. Sicc. Gran., B.P.

Ext. Casc. Sag. Pulv., B.P.

Ext. Casc. Sag. Liq., B.P.

Conc. Ext. pro

Ext. Casc. Sag. Liq., B.P.

Conc. Ext. pro

Elixir Casc., B.P.



STAFFORD ALLEN & SONS LTD. Wharf Rd. London N.1 CLERKENWELL 1000

Christmas Greetings

FROM YOUR TONI TWINS!



Throughout the year the famous Toni Tw have been working for you, helping you sell Toni. In newspaper and magazine advertising they have carried the Toni success story into countless homes all over the country. Yes, women now *know* how good Toni is. They're looking for the shop that sell Toni, and a good display will bring them into yours. Make sure record Christmas and New Year sales by tying-in your window and counting space with Toni Twin publicity.

Toni

HOME
PERMANENT



—USED BY 25 MILLION AMERICAN WOMEN!

A PRODUCT OF THE TONI DIVISION OF GILLETTE, ISLEWORTH, MIDDLESEX.

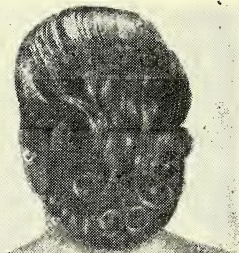
Why women want this brush

As soon as a woman sees the Beauty Brush she knows it is specially designed for her — made for deep brushing of hair the way the modern woman wears it. The graceful styling of the brush, the setting of the tufts (like spokes in a wheel), the way the rows of tufts spring into action one after another, penetrating deep into the hair and sweeping gently through it — all these attractions make the Beauty Brush a winner with women.



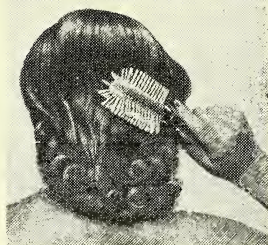
FOR MODERN HAIR STYLES LIKE THESE—

The hair styles of today make correct brushing more important than ever before. To place the hair correctly, to keep it under control, the deep penetrative brushing of an Addis Beauty Brush is invaluable. And these styles are booming!



YOU NEED A BRUSH WITH A ROTARY DEEP-BRUSHING ACTION

Many new styles are upswept and the effortless rotary action of the Beauty Brush is ideal for this. One minute a night with a Beauty Brush quickly trains the hair to place itself, and so makes the best of these new-look hair styles.



HOW WE HELP YOU TO SELL THE BEAUTY BRUSH

Really big advertising is hard at work building up sales for you. Look for it in the Daily Mirror, Daily Express, The People, Evening News, Woman's Own and provincial and local newspapers. Link up with it; display the Beauty Brush in your window and on your counter. Beauty Brush means business!

This handsome display piece will more than earn its keep. It does a real job of selling. Supplied free with order for 6 brushes.



THE NEW REGD.

Addis BEAUTY BRUSH

Made in 3 jewel-like colours — moonstone blue, zircon green and pinktopaz. Retail price 12/6 inc. tax. Wholesale 82/6 per doz. tax extra.

MADE ONLY BY ADDIS LIMITED OF HERTFORD. ESTABLISHED IN 1780

THE OLDEST SPECIALISTS IN THE TRADE...ESTABLISHED 1768

Tablets & Pills

PACKED OR BULK

Our up-to-date equipment enables us to quote the lowest possible prices.

Special formulæ our speciality.

All standard, official and semi-official products promptly supplied.

CASTLE HUSKISSON LTD

MANUFACTURING CHEMISTS

SWINTON WORKS, MOON STREET, ISLINGTON
LONDON, N.1

JACKSON'S

FEBRIFUGE

1/7; 3/10; 6/4



EGO. JACKSON & SONS LTD., Harpurhey, Manchester 9

PATTINSON'S MAGNESIA

GUARANTEED B.P. QUALITY

Mag. Carb. Levis.	Mag. Carb. Pond.
Mag. Oxide Levis	Mag. Oxide Pond.
Mag. Trisilicate.	
Mag. Hydrate.	Mist. Mag. Hydrox.

Supplied through all wholesalers
by the sole manufacturers:

**The WASHINGTON CHEMICAL
CO. LTD.**

A MEMBER OF THE
TURNER & NEWALL ORGANISATION

**WASHINGTON
CO. DURHAM**

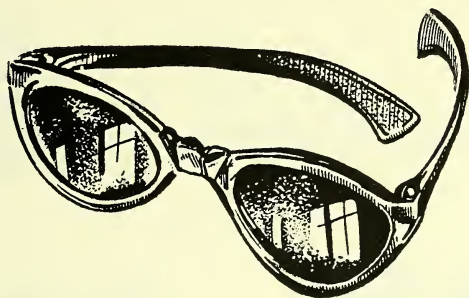
London Office:

Everite House, 59½, Southwark St., S.E.1

Manchester Office:

15, Pollard St. East, Manchester, 10

**Make
1950
a year
of**



Big Profits

**24 NEW MODELS
FOR 1950**

by selling

The enormous sales of Bolle Sun Glasses during 1948/49 have proved that the Public are becoming increasingly Eye-conscious and appreciate these beautifully finished models.

Wholesalers are invited to inspect the 1950 range at our London Show-room, Rosslyn House, 96 Regent Street, W.1, from November 1st onwards. Telephone Regent 1421).



**SUN
GLASSES**

CLASSICAL STYLES FOR EVERY CUSTOMER

MURGAR BOLLE' (Successors) LTD., Orient House, Wellingborough, Northants

A new
Hypotensive Agent

HEPVISC
REGD

**FOR THE RELIEF OF
HYPERTENSION**

Based on the use of



**Mannitol Hexanitrate
and Viscum Album**

Supplied in bottles of 50 and 250 Tablets
Retail: 6/10 and 30/8, incl. P. Tax
Tax-free Dispensing Packs of 500 tablets: 32/

The ANGLO-FRENCH DRUG CO. LTD.
11-12 GUILFORD STREET, W.C.1

HEAVILY & NATIONALLY ADVERTISED

PATA

Lantigen

SERIES OF DISSOLVED ORAL VACCINES

In less than 12 months, widespread National Advertising and personal recommendation have firmly established the LANTIGEN series of Dissolved Oral Vaccines in this country, after 12 years' success in Australia. LANTIGEN is on the P.A.T.A. list, and retails at 25/8d. per bottle, (inc. P.T.). Descriptive leaflets and terms on request.

- LANTIGEN 'A'** for the Common Cold.
- LANTIGEN 'B'** for Catarrh and Bronchitis.
- LANTIGEN 'C'** for Rheumatism of germ-born origin.
- LANTIGEN 'D'** for Staphylococcal Skin Infections.
- LANTIGEN 'E'** for Hay Fever and Asthma.
- LANTIGEN 'F'** for Whooping Cough.

Supplies direct from Sole Distributors:

J. C. GAMBLE & CO. LTD., 211, BLACKFRIARS ROAD, LONDON, S.E.1
or from Wholesale Chemists.

Manufactured by: LANTIGEN (ENGLAND) LTD., BAGSHOT, SURREY

Bottle-fed babies -

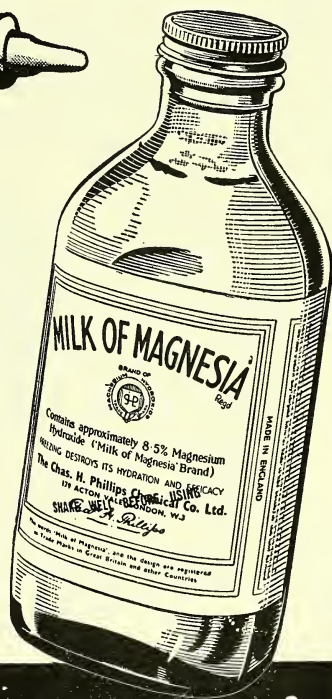


THE Pharmacist's *advice*

Confronted, as he often is with a request for advice upon digestive disturbance when baby is bottle-fed, the Pharmacist may confidently recommend the use of * 'Milk of Magnesia'.

This antacid laxative checks the formation of indigestible protein curds and enables digestion to proceed with comfort.

Thus the baby is contented, receives full nutritional value from each feed and thrives.



'MILK OF MAGNESIA'

REGD. TRADE MARK *

THE CHAS. H. PHILLIPS CHEMICAL CO. LTD.,

179, Acton Vale, London, W.3.

A Lipstick problem



Lip-Cote is the long-needed Cosmetic for perfecting lip beauty. Just brush this magic clear liquid over your favourite lipstick and it instantly banishes embarrassing lipstick smears from kisses . . . unsightly stains on anything your lips might touch. One bottle lasts months. You use less lipstick too.

PRICES:

RETAIL **6/6**

(TRADE 2/7)
(P.T. - 2/7)

Lip.Cote

ENDS LIPSTICK STAINS

Further particulars from:

Sole Distributors for U.K.

**BRITISH GLANDULAR
PRODUCTS LTD.**

37 Chesham Place, London, S.W.1

WALLACE



BRAND

**TABLETS
FINE CHEMICALS
PHARMACEUTICALS
AMPOULES**

EXPORT
ENQUIRIES INVITED

WALLACE (Pharmaceutical Products) LTD

**198 Finchley Road
LONDON, N.W.3**

Telephone :
HAM 7627

Cables :
WALLACOL, LONDON

C.V.B.

CARR'S VITAMIN B
PREPARED WHEAT GERM

A RICH SOURCE OF VITAMIN

Eaten as a cereal or sprinkled on other cereals, stewed fruit, etc.

ONLY FROM CHEMISTS
3/- per large (14 oz.) packet

TRADE :

27/- doz. Case of 2 doz. 54/-
Net Delivered Case 3/- returnable

FROM PRINCIPAL WHOLESALERS
OR FROM THE MANUFACTURERS

CARR'S FLOUR MILLS Ltd., CARLISLE

CATCH THE EYE of the passer-by!

*The
Public
Rely on*

When people need quick relief from Pain, Colds, or 'Flu they rely on BEECHAM'S POWDERS. Have you a good share of this turnover which is supported by widespread publicity on outdoor signs, by regular insertions in National and Provincial, Morning, Evening and Weekly papers and in a long list of Periodicals and Magazines?



Write to the address below for new display materials which are now available. They will help you to turn passers-by into regular customers.

Beecham's Powders
For Influenza, Colds, Headaches, Neuralgia, Rheumatism & Nerve Pains.

Beecham's Powders
For Influenza, Colds, Headaches, Neuralgia, Rheumatism & Nerve Pains.

Beecham's Powders
For Influenza, Colds, Headaches, Neuralgia, Rheumatism & Nerve Pains.

P.A.T.A.

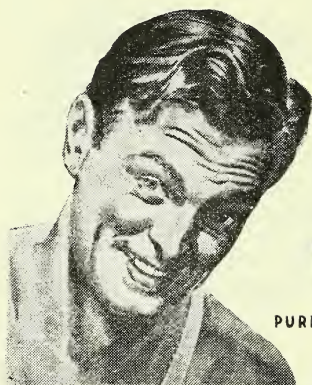
BEECHAM'S PILLS LTD., ST. HELENS, LANC

I took **VULFIX** straight on the chin!

And I kept it there, whipping up a
whisker wilting lather in a wink

VULFIX SERVICE obtainable
through all wholesalers

Retail at 3/11, 5/11, 6/9, 8/6 each



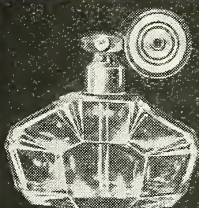
VULFIX "Service
PURE BRISTLE *Shaving* **BRUSH**

THE BRUSH WITH THE 2 YEARS GUARANTEE

PROGRESS SHAVING BRUSH Co., Ltd.

Mottram Street, Stockport

49 Leadenhall Street, London, E.C.



SPECIAL
for
XMAS

YOUR XMAS
STOCK MUST
INCLUDE -

**Marcel
Franck**

**PERFUME
SPRAYS**

IMPORTED FROM FRANCE

A PRESENT FULLY GUARANTEED

MODELS RETAIL FROM 31/3 EACH WITH A
50% PROFIT TO YOU

ILLUSTRATED PRICE LIST AVAILABLE
ON REQUEST FROM:

MARCEL FRANCK & CO. (London) LTD.

417/419 BATTERSEA PARK RD., LONDON, S.W.11.

TELEPHONE BAttersea 6505/6

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LONDON

NEW YORK

Aberdeen Generosity
Assurance without Premium

ISCO BRAND
MEDICINAL COD LIVER
OIL

Assures you of a Vitamin potency
substantially higher than B.P.
standard without a premium price

PROFIT BY PACKING YOUR OWN

Backed by a reputation and ex-
perience covering half a century

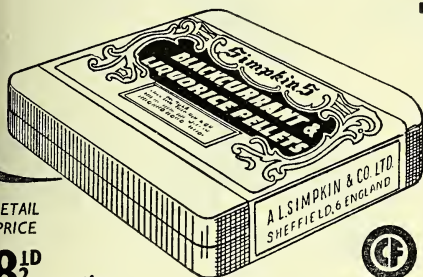
Samples and prices on request

ISAAC SPENCER & CO. (Aberdeen) LTD.
ALBERT QUAY, ABERDEEN

Phone:
Aberdeen 20202 (4 lines)

Grams:
Extractor Aberdeen

NATIONALLY ADVERTISED TO BRING YOU SALES

RETAIL
PRICE**8^{LD}** per tin

Simpkins Liquorice Pellets are popular with everyone because they are so pleasantly effective, and easy to carry in the pocket or handbag. Obtainable in four varieties:

Liquorice and Menthol • Blackcurrant and Liquorice • Peppermint and Liquorice
Compound Linseed Liquorice and Aniseed

MODERATE SUPPLY

YOU DISPLAY—THEY SELL THEMSELVES

Simpkins

LIQUORICE PELLETS

for HUSKY THROATS

ARE YOU A SUPPLIER of

If you manufacture, distribute or sell in these trades you are eligible for membership of this Federation which is always active in the interests of its members engaged in wholesale, retail, home and export trade.



INSTRUMENTS?
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TRUSSES?
SURGICAL EQUIPMENT?
SICK ROOM REQUISITES?

FEDERATION OF SURGICAL INSTRUMENT MANUFACTURERS

RIVER PLATE HOUSE, FINSBURY CIRCUS, LONDON, E.C. 2

MILLAMALT



Malt Extract with
added Natural Vitamins

Manufacturers: JEFFREYS, MILLER & CO. LTD (A6500 1 U., D400)
Wigan Mills, Wigan. London Dept. 19 Brookside Rd. N (1 U. PER FL. OZ.)

STANDARD SACCHARIN TABLETS

ENQUIRIES INVITED

THE DALES ASPIRIN & TABLETING CO.
STEETON, Nr. KEIGHLEY

Phone: STEETON 3222

A TONIC for everyone

Most people need a Tonic at one time or another. For that reason it is sound policy to keep adequate stocks of Phosferine — The Greatest of all Tonics.

Send a post-card for colourful showcards to enable you to make a display to the best advantage.

*Let everyone
see you sell*

IN LIQUID
OR TABLET
FORM

PHOSFERINE

THE GREATEST OF ALL TONICS

Sole Distributing Agents in the United Kingdom :

BEECHAMS PILLS LIMITED, ST. HELENS, LANCs.



The Registered Trade Mark "Phosferine" is the property of PHOSFERINE (ASHTON & PARSONS) LIMITED.

FERRIS & COMPANY, LTD.

BRISTOL

**MANUFACTURING AND
WHOLESALE CHEMISTS**

The House in the West for all
Chemists Supplies.

Send us your orders for prompt
and careful attention.

Regular Road Deliveries.

Telephone :
BRISTOL 21381

Telegrams :
FERRIS, BRISTOL

OPTICAL LENS CLEANERS

CHAMOIS or TEXTILE

Tastefully Printed with your name, etc.

PAYNE GRAHAM LTD., 583 Scotland St., Glasgow, S.1

BLYTON ASTLEY & CO., LTD.

Eagle Laboratories

LOWER BROUGHTON, MANCHESTER

thank their customers for their patience and forbearance during these difficult times, and assure them that every effort is being made to supply quickly lines which they have previously purchased.

ELDON

VAPORISERS

P.A.T.A.

HALL FORSTER & CO. LTD.,
NEWCASTLE UPON TYNE

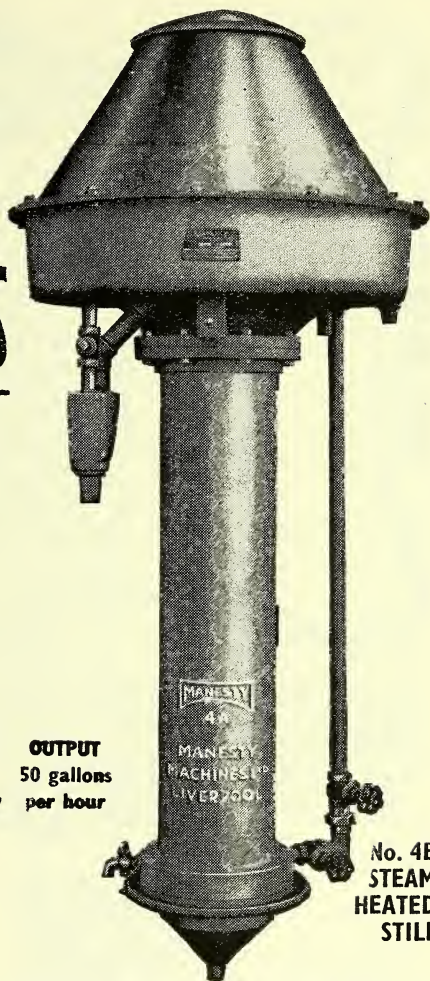
For use with
FENOLIN
FLUID





AUTOMATIC WATER STILLS

- CONTINUOUS IN OPERATION
- HIGH QUALITY DISTILLED WATER
- LOW COST OF OPERATION
- EASILY CLEANED



No. 4B
STEAM
HEATED
STILL

OUTPUT
50 gallons
per hour



DESTILL

OUTPUT
2 pints per hour

ELEVEN MODELS AVAILABLE
HEATING by
GAS, ELECTRICITY, STEAM AND PARAFFIN

FULL DETAILS GLADLY SUPPLIED

MANESTY MACHINES LTD.
DEPT. 5, SPEKE, LIVERPOOL 19

Telephone : HUNTS CROSS 1972

Telegrams : MANESTY, LIVERPOOL

Gold Cup JAFFAJUCE

*The Quintessence of Quality in
Real Fruit Drinks.*

Made from ripe, sun-kissed fruit and pure cane sugar.
Jaffajuce Orange, Jaffajuce Orange and Pineapple,
Breakfast Jaffajuce (for a "Short" drink), Jaffajuce Lemon,
Jaffajuce Grapefruit, Gold Cup Lime Juice.

JAFFAJUCE LTD., LONDON W.1 & GLASGOW ORDER THROUGH YOUR USUAL WHOLESALE CHEMISTS

Meet the demand



You can profit by the extensive National advertising now appearing in Women's Journals for "Handmaid" Lanolin protective cream—and by the repeat orders that naturally follow from those who appreciate the best.

Write for details of display materials.

WESTBROOK LANOLIN CO.
(Subsidiary of Woolcombers Ltd.)
BRADFORD.

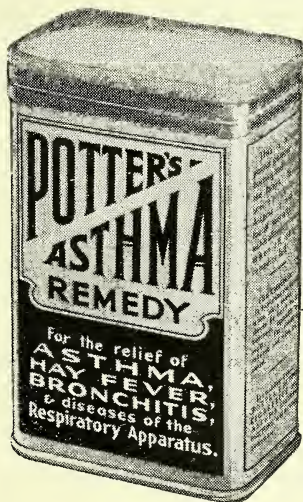


Victory V
GUMS & LOZENGES

FRYER & CO. (Nelson) LTD., NELSON LANC



Potter's
ASTHMA REMEDY



Price **2/5** per Tin
(inc. tax)

Wholesale **18/-** per doz.
(plus 6/- per doz. tax)

Packed in half dozens

Well advertised and world famous

A sound selling line for every Chemist

POTTER & CLARKE LTD.
60-64 ARTILLERY LANE, LONDON, E.1

Telephone : B1Shopsgate 4761

and 77 DANTZIC STREET, MANCHESTER, 4

Telephone : B1Ackfriars 8734

**YOU SHOULD STOCK
THE FINEST SCURF REMOVING & SCALP
CLEANSING SHAMPOO**

NUCTA OIL

THE SOAPLESS OIL SHAMPOO



Can be recommended with confidence. Nationally advertised
IN 8 oz. BOTTLES SELLING AT 3/10. 25/- per doz., plus tax

CARRIAGE PAID ON NET ORDER OF £2

Obtainable from your Wholesaler or direct from the Manufacturers

STEWART, GOODALL & DUNLOP LTD
121A PRINCES STREET, EDINBURGH

HELP YOUR SHELF—

WITH LUSTRSET!

On your shelf, on your counter or in your window, the sparkling Lustrset display will bring you bigger sales and bigger profits! Already, National advertising is creating a widespread demand for this fresh, easy-to-use cream that gives lasting setting after shampooing and keeps hair firm and glossy without trace of dandruff.

If you are not yet stocking Lustrset, send for full details now. It's one of the Camilatone range of fast-selling, sure-selling hair beauty lines.

CAMILATONE

CAMILATONE LTD

EDGWARE RD. • WELSH HARP • LONDON • N.W.9



THE KEYSTONE OF THE 'KEPLER' CAMPAIGN



In full colour and measuring 15" x 10" this outstanding showcard will form the basis of the 'Kepler' campaign throughout the coming season. Its arresting design will be featured in display advertisements in the National Press and can hardly fail to influence mothers all over the country. Link up by displaying the card in your window — show it and you'll show profit. Stock up with 'Kepler' now, to start the season on a profitable note.

'KEPLER'

BRAND

COD LIVER OIL WITH MALT EXTRACT



BURROUGHS WELLCOME & CO. (The Wellcome Foundation Ltd.) LONDON

Calcium in its most effective form

A granular preparation containing Calcium in association with Vitamin D to assist assimilation. Pleasant tasting and easily taken from a teaspoon or stirred in water, Caldecium has proved to be useful in the treatment of most forms of calcium deficiency.

Literature and sample on request

P.A.T.A. 3j-

Trade 24j- doz.



Made in England by THOMAS KERFOOT & CO. LTD., Vale of Bardsley, Lancashire

LABORATORY NATIVELLE, LTD.
THE FOLLOWING PRODUCTS ARE NOW IN SUPPLY

NATIVELLE'S DIGITALINE

All forms exempted from Purchase Tax

TABLETS

1/240 gr. and 1/600 gr. in bottles of 40

AMPCULES

1/300 gr. for intramuscular and intravenous injection

OUABAIN ARNAUD

All forms exempted from P. Tax

TABLETS: 2.5 mgm. 1/24 gr.

AMPOULES: 1/4 mgm. = 1/240 gr. for intravenous injection.

AMPOULES: 1/2 mgm. = 1/120 gr. for intramuscular injection.

SOLUTION: 1/100 = 50 drops = 10mgm.

NATIBAIN

Solution 1/1000—10 c.c.

NATIROSE DRAGEES

Supplied in boxes of 40

QUINICARDINE TABLETS

Supplied in boxes of 20

DIGITALINE
TABLETS
NOW SUPPLIED
IN DISPENSING
PACKS OF 200

**Wilcox,
gozeau**
& CO. LTD

WRITE FOR
DESCRIPTIVE
LITERATURE
OF ALL
PRODUCTS

74-77, WHITE LION ST. LONDON, N.1.

ESTD. OVER 100 YEARS

19, TEMPLE BAR, DUBL

The



CHEMIST AND DRUGGIST

for RETAILER—WHOLESALE—MANUFACTURER

DECEMBER 10, 1949

Published weekly at 28 Essex Street, Strand, London, W.C.2

Telephone: Central 6565 (10 lines). Telegrams: "Chemicus, Estrand, London."

Single copies 1/- each. Annual subscription, which includes *The Chemist and Druggist Diary and Year Book*, 30/-

No. 3642

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NEWS OF THE WEEK

Glucose De-licensing Order.—The Glucose (Amendment) Order 1949, in force from December 11, gives effect to the decision of the Minister of Food (see *C.* D. November 19, p. 683) to free manufacturers and wholesalers of glucose from licensing restrictions.

On Open General Licence.—The Board of Trade has now included citrus juices, grape juices and soft fruit juices in the list of goods on open general licence when imported from O.E.E.C. countries and other countries from which imports would not involve loss of dollars or gold.

Christmas Lighting Arrangements.—Arrangements for advertisement purposes is to be permitted on December 26 and 27 in England and Wales, and on January 2 and 3 in Scotland. On those dates electricity may be used for illuminating buildings or premises otherwise than with lamps specified in the Lighting (Restriction) Order, 1949.

Medical Research at Hospitals.—The Minister of Health has considered with the Medical Research Council the general

policy that should apply to the promotion of medical research at hospitals. He is asking regional hospital boards and management committees not to promote any new research work involving additional expenditure without his prior approval.

E.C.A. Allocation for Plant.—The Economic Co-operation Administration recently approved a project for the purchase of machinery, to be used in a petroleum chemical plant at Grangemouth, involving an outlay of \$9 million in Marshall aid funds for the United Kingdom. The plant will be owned and operated by British Petroleum Chemicals, Ltd., and will manufacture basic organic chemicals.

New Cyclotron at Harwell.—A cyclotron, the largest in Europe, recently completed at the Ministry of Supply's atomic research station, Harwell, Berks, operated successfully on its first full trial on December 5. The machine accelerates protons (which are about 2,000 times heavier than electrons and more powerful in producing disintegrations) with a voltage of about 160 million volts, but this will be

increased to 180 million volts or more. The machine is a research tool and will be used for conducting experiments concerned with the nature of matter that cannot be conducted in the atomic pile. The workers hope that it will be powerful enough to produce mesons.

Soap Imports Extended.—From January 1, 1950, imports are being permitted, under block licensing arrangements, of certain types of soap and solid shaving soap consigned from and manufactured in countries or territories other than those specifically excluded from the scope of the Board of Trade's notice to importers No. 336, dated September 29, 1949. The imported soap must, where appropriate, comply with the soap rationing regulations and with statutory or other regulations regarding selling prices and distribution generally. Applicants are asked to write in the first instance to the Ministry of Food, Oils and Fats Division, London Road, Stanmore, Middlesex, for fuller particulars.

Royal Society Anniversary.—The 1949 anniversary meeting of the Royal Society was held in London on November 30. Sir Robert Robinson, O.M. (president), presented the Royal and the Society's medal awards for distinguished scientific achievements (see *C. & D.*, November 19, p. 691) and, later, in an address to the meeting, reviewed the advances made in sterinoid chemistry and the contributions of the organic chemist in elucidating the structure of certain vitamins and hormones. He called for new ideas and methods in the search for the synthesis of Cortisone or similar substances, and urged the international organisation of a supreme effort similar to that made in the penicillin field during the war.

British Association of Chemists.—The British Association of Chemists held its thirty-second annual meeting in London on December 3, the president (Mr. Norman Sheldon, A.R.C.S., F.R.I.C.) in the chair. The annual report showed that a number of legal proceedings had been instituted. One member had been assisted to recover £1,500 in compensation for the breaking of a service contract, and another had been supported in a successful High Court action claiming three months' salary on dismissal. The Hinchley medal was presented to Miss Winifred Wright, B.Sc., A.R.I.C., for her work for the Association since its beginnings. Dr. H. Levinstein, M.Sc., Ph.D., F.R.I.C., M.I.Chem.E., was elected *President*.

LOCAL NEWS

Hounslow Branch Secretary.—Mr. Lloyd E. Davies, 316 Staines Road, Hounslow, Middlesex, has taken over the secretaryship of the Hounslow Branch of the Pharmaceutical Society on the resignation (owing to removal from the district) of Mr. J. B. Streeter.

Long Service Presentations.—Five employees of Edward Taylor, Ltd., Manton, Lancs, were presented with inscribed gold wrist-watches at a ceremony at the works recently to mark their completion of 25 years' service with the company. The presentations were made by Mr. F. J. Haworth, managing director.

Medicines in History.—An exhibit opened recently in the Art Gallery, Glasgow, illustrates the development of scientific methods in medicine. Exhibits in pharmacy and medicine section cover the period from about 1450 to 1825, and include advertisements extolling the virtues of unorthodox medicines which brought fame and wealth to their proprietors.

Bolton Meeting.—"The Application of Science in the Detection of Crime" was the title of a talk given by Mr. E. Peddie (North-west Forensic Laboratory, Preston) to the Bolton Pharmaceutical Association on November 22. The lecture was illustrated by lantern slides and dealt with the work the laboratory had accomplished. The functions were summarised under the following categories: biological, "pure chemistry," mechanical and photographic.

Leicester Visit.—Members of the Leicester Branch of the Pharmaceutical Society visited the pathological department of the Leicester Royal Infirmary recently. Dr. E. Ward, pathologist, addressed the members on medico-legal pathology, described the duties of a coroner in handling the causes of death reported. In connection with poisoning, he said, modern analytical methods enabled the cause of death to be found in 90-95 per cent. of cases.

Foreign Bodies in Mixture.—A Representative of the Pharmaceutical Services Committee of the Dudley Executive Council alleged that a bottle of medicine supplied to a member of the public contained a number of insects was considered by the Council recently. The Committee had found that a bottle of medicine contained foreign bodies, which, it was alleged, were in the bottle before the medicine was dispensed. It was decided to send a warning to the chemist.

gether with a request to examine his present stock of bottles. It was pointed out that the offence was an isolated one.

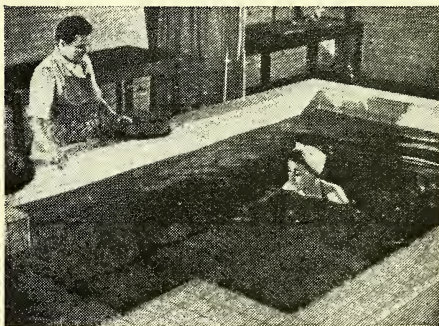
Aylesbury N.P.U. Branch Officers.—At the annual meeting of the Aylesbury and North Bucks Branch of the National Pharmaceutical Union on November 10, the following officers were elected:—*Chairman*, Mr. G. W. Horsley; *Vice-Chairman*, Mr. E. J. W. Dale; *Secretary*, Miss H. E. Walker, 46 Well Street, Buckingham. The meeting was addressed by Mr. H. Steinman (a member of the N.P.U. Council) on "Matters at the moment." He mentioned the "silent" services of the N.P.U. before dealing with the National Health Service and matters arising therefrom.

Pharmaceutical Education in Wales.—At the November meeting of the Aberdare and Merthyr Branch of the Pharmaceutical Society, Mr. H. J. V. Haverson (chairman) presiding, Mr. R. Vernon Lloyd, Pharm., Ph.C. (principal, Welsh College of Pharmacy, Cardiff), gave an address on "Pharmaceutical Education in Wales." Mr. Lloyd explained the scope and function of the present syllabus before giving a detailed study of the Society's educational policy, with particular reference to its application in Wales. Staff shortages at the college were also fully discussed and Mr. Lloyd expressed the hope that the present difficulties would soon be overcome. In the discussion that followed there was a consensus of opinion that members were not generally well-informed on matters of pharmaceutical education. A vote of thanks was proposed by Mr. Haverson and seconded by Mr. H. Parry, Nelson.

Address on Immunisation.—At the monthly meeting of the Exeter Branch of the Pharmaceutical Society on November 10, Dr. G. B. Page (medical officer of health) gave an address entitled "Immunisation in Practice, with Special Reference to the Prevention of Diphtheria." Considering the common cold and other infectious illnesses, Dr. Page stressed that immunity was relative, varying from day to day, even from hour to hour. Immunisation against diphtheria, although considered thirty years previously, was not made available to the general public until 1940, since when cases of the disease and fatalities from it had shown a marked fall. In Exeter, the figures for 1940 were thirty cases and six deaths, but in 1948 only one case was reported, the patient recover-

ing. That showed that immunisation was a potent weapon against diphtheria and that outbreaks in the community were unlikely to occur provided that at least 75 per cent. of children under fifteen years of age were effectively immunised. The modern method was safe and produced no serious side-effects. The talk was preceded by a showing of a Wellcome Foundation, Ltd., film "The Preparation of Diphtheria Antitoxin and Prophylactics."

Society's Secretary at Wembley.—Addressing a meeting of the Wembley Branch of the Pharmaceutical Society on November 22, Mr. Hugh N. Linstead, M.P., said that pharmacists were not "on the way out" as 200 more were coming into the profession every year than were leaving it. Speaking on the proposed 1s. charge on prescriptions he said "It has been established that the charge will be made per form." He doubted if, in those circumstances, the £10 millions intended to be recovered would, in fact, be possible by that means alone. Demands were being made from many sections of the community for exemption from the charge. Besides old age pensioners, there were diabetics and epileptics, and such cases were under consideration by the Ministry of Health. Mr. Linstead considered that cuts would also be made in dental and optical charges. Ministers concerned with the National Health Service were satisfied that chemists were not overpaid. The physical burden of pricing every N.H.S. prescription was a massive job and impossible with present staffs. The Ministry, he said, might ask for the use of lower-costing drug.



WATER EXERCISES IN POLIO TREATMENT.—Still from the Central Office of Information film illustrating remedial exercises applied in the treatment of poliomyelitis.

IRISH NEWS

Statement on Shilling Levy.—In the Northern Ireland House of Commons on November 22 the Minister of Health and Local Government (Dame Delvia Parker) stated that the precise form and incidence of the proposed shilling levy on medicines under the Health Services Act had not yet been determined.

N.H.S. in N. Ireland.—A report presented to the Northern Ireland General Health Services Board, recently, showed that, during the first year of the Health Service, the 509 pharmaceutical chemists on the Board's list dispensed 3,790,975 prescriptions; the pharmaceutical services cost £835,123 and the Board's grand total was £3,033,545 or £2 4s. 9d. per head of the population.

Distribution of Welfare Foods.—The report of the Select Committee on Public Accounts for the year 1947-48, just published, states that the Committee is not satisfied that the present arrangements for the distribution of welfare foods, etc., are economical or the most efficient that could be devised. The Committee considers that the question of distribution needs examination, especially into the possibility that greater convenience would result from distribution through ordinary trade channels ("grocers, chemists, etc.").

Dail Question on Poisons Control.—In the Dail Eireann, on December 1, Mr. Con Lehane asked the Minister for Health whether he was aware that there was a considerable body of opinion amongst those engaged in the pharmaceutical profession that steps should be taken to tighten up the regulations governing the sale of poisons such as strychnine, and, if so, whether he proposed to take any steps in the matter. Dr. N. Browne, Minister of Health, replied: "I am aware of the unsatisfactory position regarding the sale of poisons such as strychnine. This matter is governed by the Sale of Poisons (Ireland) Act, 1870. Under the Act it is unlawful to sell strychnine to any person unknown to the seller, unless such person is introduced by some person known to the seller. This restriction does not apply to preparations or admixtures or other substances containing any percentage of strychnine. I have received a resolution passed by the Royal College of Physicians under the Act, declaring that such preparations shall be deemed to be poisons

within the meaning of the Sale of Poisons (Ireland) Act, 1870. I propose to continue further with the Royal College of Physicians on this matter and to recommend to the Government at an early date an Order should be made applying provisions of the Act to such preparations. I propose also to consider the necessity of amending legislation to control the sale of poisons generally."

Ulster Associates' Section.—The Societies' Section, Ulster Chemists' Association, has elected the following officers and committee:—*Chairman*, E. B. Williamson, M.P.S.N.I.; *Vice-chairman*, Miss M. Meneely, M.P.S.N.I.; *Secretary*, Mr. W. Dinsmore, M.P.S.N.I.; *Treasurer*, Mr. E. G. Mackle, M.P.S.N.I.; *Committee*, Messrs. V. J. Elliott, M.P.S.N.I., J. McGivern, M.P.S.N.I.; G. E. McElligott, M.P.S.N.I. (hospital representative); A. McWhinney, M.P.S.N.I., P. Quillan, M.P.S.N.I., T. W. Cresswell, J. Grimshaw, J. McGlaughlin, C. Ogle, Willman and D. N. Wylie. The following have been elected to Associateship, M.P.S.N.I.: Messrs. U. Eulice, W. Strahan; Assistants:—Miss E. J. B. H. McKillen; Apprentices:—Messrs. W. Meighan, S. Nemtsov, E. E. Richey.

OVERSEAS NEWS

Indian Science Congress.—The thirteenth Indian Science Congress will be held in Poona, January 2-8, 1950.

Aspirin Tax Urged in Sweden.—A Swedish company, A. B. Bofors Nobelkrut, have urged the government to increase a customs duty of 15 per cent. of the value on all imports of acetylsalicylic acid. The Bofors Nobelkrut agreed to start manufacture of the acid during the war when foreign supplies were cut off. The shortage of the commodity immediately after the war has now been turned into a surplus. The company estimates the duty would only slightly increase the price of fifty aspirin tablets.

Insecticides for the U.S.P.?—Representatives of the American chemical industry at a recent meeting of the U.S.P. revision committee, opposed a proposal to include DDT and several other insecticides in the new United States Pharmacopoeia. Their contention was that including these compounds in the Pharmacopoeia might result in their becoming "drugs" under the Federal Food, Drug and Cosmetic Act, in addition to being subject to the existing regulations controlling insecticides.

TOPICAL REFLECTIONS

Call for Active Support

In the concluding sentence of the editorial article on pp. 767-68 you mention that the Fair Prices Defence Committee calls for the active support of all sections of pharmacy and the drug trade. If any doubt exists regarding the importance of that support, the Committee's memorandum on the findings of the Committee on Resale Price Maintenance should suffice to remove it. The contents of the Government Committee's report, published on June 2, illustrate the fact that it is possible to evolve an academic argument about any subject, whatever fallacies the premises may contain. Examples can be found in the programmes of local debating societies. The Fair Prices Defence Committee is broadly based, representing twelve trade associations; its statements are the more weighty accordingly. But for the fact noted here about the possibility of evolving an academic argument, I should have regarded the reasoning of this committee as unanswerable. What answer of any substance can, indeed, be given to the observation that price control by manufacturers acting individually is quite valueless? Every experienced trader, wholesale and retail, knows that this is true. Again, what substantial answer can be given to the remark that the maintenance of individual and the abolition of collective resale price maintenance are absolutely reconcilable? "Cut prices and chaos" could be a grim slogan with which to face the coming year: is that what the Committee appointed by the Government desires? I can remember no trade crisis with clearer issues than this.

Official Synonyms

Your comments on statutory synonyms (p. 768) raise important questions. The suggestion of including abbreviations of Latin titles in the British Pharmacopœia, 1914 came from the late Professor J. P. Remington, at that time chairman of the United States Pharmacopœial Convention. Current synonyms have a national and an international relevance. Pharmacopœial changes of name have not always been made with due regard for the convenience of British prescribers and dispensers. Liquid preparations of iodine in the Pharmacopœias of 1885, 1898 and 1914 are a notorious example. In the first of these three books a liniment, a solution and a tincture of iodine appeared, with respective

iodine content of one in about eight w/v, 5 per cent. w/v, and 2.5 per cent. w/v. In the 1898 B.P. the liniment of its predecessor became, with a slight change of formula, strong solution of iodine. In the 1914 B.P. that strong solution became strong tincture of iodine, with a minor alteration in strength. In the 1932 B.P. both tinctures were renamed solutions. The international aspect of changes in name has a separate and an increasing importance. In every case in which the international title of a preparation is not identical with its title in the British Pharmacopœia, the international title and abbreviation (if any) should, I suggest, appear after the official British title and abbreviations. The matter is one of a number on which co-operation is needed, not only between the international and national pharmacopœial authorities, but also between those bodies and the national poisons boards or equivalent bodies.

Multiple Prescribing

A significant anecdote, taken from "The Lancet," appears on p. 769. This hospital patient's cornucopia of medicines might form the subject of a question in a course of biological chemistry. Students could be asked to prepare an equation showing the estimated chemical reaction *in vitro* between phenobarbitone, thyroid, diœnœstrol, diluted hydrochloric acid, penicillin, potassium citrate and potassium bromide, administered at varying intervals during twenty-four hours. To demand an estimate of the corresponding reaction *in vivo* would be asking too much. It might be of interest to have the names of the "three other drugs" originally on this generous list. Some advertisers of proprietary medicines in the past have added specifics, on no obvious principle, to their repertory, and in publishing testimonials have failed to exercise a sense of humour—if they possessed one. When the more intelligent of their readers learned, for instance, that Mr. X had consumed the contents of twenty-two bottles of Mr. Y's cough linctus and was keeping a twenty-third bottle in readiness, they may have wondered how it was that Mr. X took so long to get the better of his cough. *Mutatis mutandis*, some such doubt is likely to cross the mind of a prescriber who scans a collection of prescriptions like that cited by "The Lancet" contributor alluded to. It appears to be our old friend the blunderbuss preparation again.

Xrayser

NEW COMPANIES

J. BASS (CHEMISTS AND OPTICIANS), LTD. (P.C.).—Capital £500. To carry on the business of chemists, druggists, opticians, etc. Joseph Bass, M.P.S., 305 Eastern Avenue, Ilford, and Frank J. Trafford, M.P.S., directors.

A. C. GARDNER (CHEMISTS), LTD. (P.C.).—Capital £1,000. To carry on the business of wholesale or retail chemists, etc. Ivy F. Ll. Gardner and Thomas H. Davies, M.P.S., directors. R.O.: 12 Kingsholm Road, Gloucester.

BARNET CHEMISTS, LTD. (P.C.).—Capital £100. To carry on the business of dispensing chemists, etc. Norman H. H. Rymer and Alexander Innes, M.P.S., directors. R.O.: 96 East Barnet Road, New Barnet, Herts.

C. F. GERHARDT, LTD. (P.C.).—Capital £12,500. To acquire the business of drug merchants carried on by C. F. G. (Fenchurch Street) Ltd., at 5 Fenchurch Street, E.C.3. Edward G. Misani and Robert A. Logie, directors.

J. WILLIAMS (GLASGOW), LTD. (P.C.).—Registered in Edinburgh. Capital £300. To carry on the business of wholesale and retail chemists, etc. Joseph Williams, M.P.S., and Ellen Williams, directors. R.O.: 83 London Road, Glasgow, C.1.

COLIN CAMPBELL (CHEMIST), LTD. (P.C.).—Capital £3,000. To carry on the business of wholesale and retail chemists, etc. Colin Campbell, M.P.S., and Charles J. Strong, M.P.S., directors. R.O.: 246 Blackfen Road, Sidcup, Kent.

P. G. MORGAN (WHITCHURCH), LTD. (P.C.).—Capital £5,000. To acquire the business of chemists, druggists, etc., carried on by the trustees of Percy G. Morgan, deceased, at Whitchurch, Salop. Bona D. Morgan, Robert C. Smith and David I. F. Evans, M.P.S., directors.

LAURENCE & DAVIES (CHEMISTS), LTD. (P.C.).—Capital £2,000. To carry on the business of manufacturing and dispensing chemists, etc. Reginald A. F. Laurence, M.P.S., and John H. Davies, directors. R.O.: 5 Cotham Hill, Redland, Bristol.

E. G. BRYANT (BROCKHAM), LTD. (P.C.).—Capital £1,250. To carry on the business of manufacturing and dispensing chemists and druggists, etc. Ernest G. Bryant, B.Sc., D.Pharm. (Nancy), Ph.C., and Eleanor M. Homewood, directors. R.O.: Fern Villa, Brockham Green, Betchworth, Surrey.

Company News

GILLETTE INDUSTRIES, LTD.—Mr. H. Garnett has been appointed a director.

EVANS MEDICAL SUPPLIES, LTD.—Stockholders of the company at special class extraordinary general meetings, held in Liverpool on December 1, approved proposals (see *C. & D.*, November 19, p. 6) covering variations in the capital.

BUSINESS CHANGES

MR. A. COCKBURN, M.P.S., formerly medical representative with Pharmaceut Specialities (May & Baker), Ltd., shortly leaving for British East Africa to join Grayson & Co., Ltd., Nairobi.

MR. A. J. STANLEY, M.P.S., has resigned of all his retail businesses to devote his full time to the affairs of Warren, Stanley & Co., Ltd., wholesale chemists, 100 High Street, Edgware, Middlesex, which he is managing director.

THOMAS KERFOOT & Co., LTD. have appointed Mr. E. H. Tilley, Ivelby, Buckden, Hunts, to succeed Mr. W. Heyworth, M.P.S., as representative in Lincolnshire and Anglia. Mr. Heyworth has been appointed medical representative in Northern England in succession to Mr. W. M. Loring, who some months ago was transferred to London and the Home Counties.

INQUESTS

Wrong Cylinder.—At an inquest at Norwich on December 6 on a man who died in Norfolk and Norwich Hospital a verdict of death by misadventure had been administered when it was found that nitrous oxide had been administered instead of oxygen during an operation. Through a mistake in the identity of a cylinder, a verdict of "death due to misadventure" was returned. The coroner commented "I am bound to think that this was carelessness."

Sulphone Poisoning.—A verdict of "Death by misadventure" was returned at an inquest at Leamington recently on an infant daughter of a veterinary surgeon, Whitnash, Warwick, who died in hospital from sulphone poisoning. The father said that in his absence his child had taken from a pocket in his car a tube containing a sulphone drug and had applied it to her face. A pathologist said that the child had swallowed a quantity of the drug and that death was due to a consequent respiratory failure.

THE WEEK IN PARLIAMENT

By a Member of the Press Gallery, House of Commons

MR. DE LA BERE asked the Minister of Food on November 28 what quantities, in terms of sugar, glucose and cocoa beans, had been imported into this country in the form of semi-raw materials, and why he did not preferably grant the sterling involved in the form of raw materials.

MR. JOHN STRACHEY: As the semi-raw materials are not separately specified in the Customs classification of imports, I am afraid that the figures required are not available. The materials are imported by private traders, and I see no reason to prohibit the importations.

MR. DE LA BERE: Is the Minister aware at there is widespread consternation among large numbers of private traders and manufacturers today as to what is going on? Will he give an undertaking to look into this matter more closely with a view to seeing that some of the inequalities are adjusted?—"I can always look to it, of course," replied Mr. Strachey.

Diabetic Chocolate

COMMANDER A. NOBLE asked the Minister of Food on November 30 why there was a shortage of the rationed chocolate specially prepared for diabetics. DR. EDITH SUMMERSKILL (Parliamentary Secretary) replied that the supply of diabetic chocolate was limited by the availability of sorbitol. There was little prospect of obtaining additional supplies.

Pay-as-You-Earn "Disincentives"

MR. JOHN HAIRE asked the Chancellor of the Exchequer on December 1 if he would set up a committee to investigate to what extent the adoption of pay-as-you-earn had had disincentive effects in each industry. MR. GLENVIL HALL (Financial Secretary to the Treasury) declined to do so. He reminded Mr. Haire of the substantial reductions in tax under P.A.Y.E. that had been made in the 1948 Budget, when the earned-income relief was increased one-fifth, and the nucleus chargeable in 1946 had been extended to £200.

When Mr. HAIRE further asked if Mr. HALL was aware that many people in the country claimed that there was a disincentive effect, particularly with regard to bonuses and overtime rates, and whether it could not be desirable to establish the facts, "Nobody likes paying tax—we do not need a committee of investigation to establish that," replied MR. HALL.

Freight Charges

In the Transport debate on December 1, MR. ALFRED BARNES (Minister of Transport) said it was difficult to ascertain the incidence of an increase such as higher railway freight charges and their effect on export goods. Most of those goods—particularly for the American market—were of a consumer character and represented high quality and fairly high prices. He thought the main weight of the increase would fall on the heavy industrial products that represented the main traffic of the railways.

Pre-trading Expenses

MR. P. L. E. SHURMER asked the Chancellor of the Exchequer on December 1 if he would consider granting to new traders the allowance of certain pre-trading expenses (where it could be proved that delay in commencing to trade was solely due to shortage of materials and hold-ups in obtaining licences from Departments) so as to obviate double double taxation and hardship on the new trader. MR. GLENVIL HALL (Financial Secretary to the Treasury) replied that expenses incurred prior to trading were not deductible in computing profits for tax purposes—such expenses might arise from various causes, and he could not authorise any departure from the rule in the circumstances suggested.

Chloromycetin

MR. R. ROBINSON asked the Minister of Health on December 1 why Chloromycetin was no longer available to patients under the National Health Service in cases where it was prescribed by their doctors. MR. ARTHUR BLENKINSOP (Parliamentary Secretary) replied that, in order to ensure that that scarce and expensive drug was used to the best advantage, he had arranged to purchase all available supplies and to distribute them through Regional Hospital Board centres. The boards had discretion to make supplies available, through the distribution centres, to practitioners in domiciliary practice in exceptional cases.

No Sugar for Shop-workers' Tea

THE MINISTER OF FOOD (Mr. John Strachey) informed COMMANDER A. H. P. NOBLE on December 5 that he would not sanction a small sugar allowance to shop and office workers (who already receive allowances of milk and tea for their duty hours).

DEATHS

ARGLES. — On November 20, eleven days after the death of his wife, Mr. Woodfield Henry Argles, M.P.S., Homecliffe, Alma Road, Herne Bay, Kent, aged eighty. Mr. Argles was formerly in business in Fleet Street, London, and at Brentford, Middlesex. He retired in 1946.

BATTLE.—On November 28, Mr. Harold Marfleet Battle, Westholme, Church Lane, Lincoln, chairman of Battles, Ltd., chemists, Lincoln, aged seventy. For many years Mr. Battle was associated with H. Newsom, Sons & Co., Ltd., but removed from Bedford to Lincoln on the death of his brother (Mr. Cyril Marfleet Battle), fifteen years ago, in order to take control of Messrs. Battles. He is survived by his widow, a son and a daughter.

DOBLE.—At a Bath hospital on December 1, Mr. Arthur Glendower Doble, aged seventy-nine. After qualifying as a chemist and druggist in 1891, Mr. Doble established himself in business in South Africa, where he remained for fifteen years. Returning to this country, he opened the Widcombe Pharmacy, Bath, which he conducted for twenty years prior to his retirement about five years ago. The business (A. G. Doble & Son) is now under the proprietorship of Mr. H. T. Doble, M.P.S. (a son).

FAULKNER. — On November 12, Mr. Donald Faulkner, M.P.S., 52 Rokeby Avenue, Anlaby Park Road, Hull, aged thirty-eight.

HAMBLÉN. — On November 21, Mr. Richard Ruthven Painter Hamblén, 13A Vale Road, Bournemouth, formerly of Brixton Road, London, S.W.9, aged seventy. Mr. Hamblén qualified as a chemist and druggist in 1902. He retired from business in 1936.

HUGHES.—At 27 Shelley Road, Bath, recently, Mr. Thomas J. Hughes. Mr. Hughes was for thirty years employed by Steele & Marsh, chemists, 6 Milsom Street, Bath. When the business was taken over by Boots, Ltd., he continued in employment there until his retirement in 1946.

IRVINE.—At his home, 112 Beaufort Street, Chelsea, London, S.W.3, on December 5, Mr. Peter Irvine, Ph.C., aged seventy-three. Mr. Irvine studied pharmacy under Mr. John Lothian, Ph.C., at the Glasgow School of Pharmacy, and qualified in 1898, passing the Pharmaceutical Chemist examination two years later. He

was for a time pharmacist at the Ruc Fever Hospital, Glasgow, and later proprietor of the old-established City business Wallace & Co., Glasgow. Subsequently joined the United Drug Co., Ltd., Nottingham, as representative in Scotland. During the first world war Mr. Irvine served in Royal Army Medical Corps. He was in front line at the time of the first gas attack by the Germans, and became a Gas Defence Officer. Mr. Irvine had marked gifts as an entertainer, and was the leading spirit in a Forces concert party known as "Duds." At the battle of Ypres he gained distinction by going in under fire in a lorry to rescue the company's grand piano. As a peace-time entertainer it was said of him that "no Smoker was complete without him." After the war, Mr. Irvine rejoined the United Drug Co. as representative in the South of England. During the 1939-40 war Mr. Irvine served in the Home Guard and claimed to be its oldest member in Wiltshire. He was responsible for training his company in first-aid and stretcher drill. Mrs. Irvine, who survives him, is a past president of the Pharmaceutical Society. The funeral was at Putney Vale Cemetery on December 8.

MARCHANT. — Recently, following an accident, Mr. Walter Marchant, M.P.S., 209 Barton Street, Gloucester, aged eighty-one. Mr. Marchant was actively engaged in business up to the time of his death.

TAYLOR.—At 24 Cairnfield Place, Aberdeen, on November 23, Mrs. M. A. Spence Taylor, daughter of the late Mr. James Spence, M.P.S., Aberdeen.

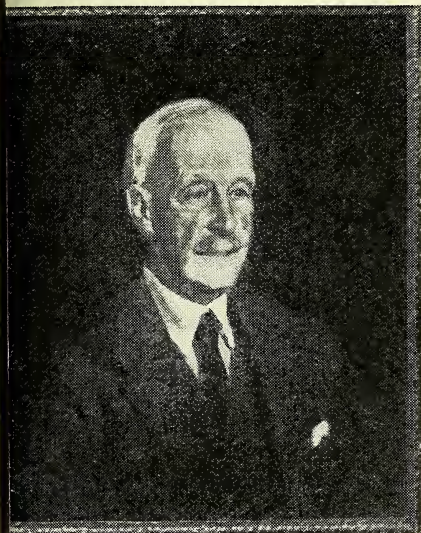
THOMAS.—At 124 Henry Street, Bloemfontein, Orange Free State, South Africa, on November 26, Mr. John Austin Thomas, aged seventy-six. Mr. Thomas qualified as a chemist and druggist in 1895; he emigrated to South Africa and was for many years with Cameron & Hamilton, Cape Town. He passed away peacefully after illness lasting approximately three months. The cremation took place at the Johannesburg crematorium on November 29.

YOUNG.—On November 16, Mr. Edward Young, Ph.C., Clevedon Mansions, Highgate Road, London, N.W.5, aged eighty-three. Mr. Young qualified as a chemist and druggist in 1887 and passed the Pharmaceutical Chemist examination the following year.

PERSONALITIES

SIR ROBERT ROBINSON, O.M., has been re-elected *President* of the Royal Society.

MR. ALFRED G. HOWARD, who has retired from the board of directors of Howards & Sons, Ltd. (see *C. & D.*, December 3, p. 760), recently completed twenty years with the company. Son of



the late Joseph Howard, M.P., and grandson of the late John Eliot Howard, F.R.S., the eminent quinologist, he was educated at Tonbridge and University College, London, entered the works of Howards & Sons at Stratford in 1880 and was nominated to partnership by his grandfather on January 1, 1883. He was personally responsible for planning, laying out and building the company's works at Ilford during the first thirty years of their development, and was chairman of the company from 1916 to 1941. Although eighty-eight years of age, he still frequently comes to the works and takes an active interest in the latest developments. The presentation portrait here reproduced was painted recently by Edward Nelson.

MR. CHARLES O'HAGAN, M.P.S.N.I., Newry, recently celebrated his eighty-first birthday. Mr. O'Hagan travels daily by bus to his business (O'Hagan & O'Hare, Mill Street, Newry).

MR. J. E. CONNOR, J.P., M.P.S.N.I., senior director of S. Connor & Sons, Ltd.,

Newry, co. Down, Northern Ireland, recently celebrated his eighty-third birthday. Mr. Connor, who holds the distinction of having been president of the Pharmaceutical Societies of both Ireland and (later) Northern Ireland, continues to act in an advisory capacity in his business.

MISS BARBARA GRANT, a member of the publicity staff of Yardley & Co., Ltd., is shortly sailing for Latin America and the West Indies, where she is to lecture to sales staffs of stores on the company's products and how to use them.

PROFESSOR JAMES SMALL, D.Sc., of Queen's University, Belfast, has published in "*Acta Biotheoretica*," 1949:9, parts 1-2, the fifteenth section ("*Numerical Evolution*") of his work on Quantitative Evolution. The seventeenth section ("*The Shape and Pattern of Evolution*") has been published in "*Phyton*," Volume 1.

MR. PHILIP LE QUESNE, owner of a pharmacy at Halkett Place, St. Helier, Jersey, C.I., has resigned from the presidency of the Public Instruction Committee of the Island of Jersey because of ill-health. He was taken ill with sunstroke during July 1949 and subsequently contracted pneumonia, from the effects of which he has not yet fully recovered.

MR. FRANK T. WEST, secretary to the Cheshire Executive Committee, is to retire on March 31, 1950, after thirty-eight years' service in the county. In 1912 he was appointed the first secretary and treasurer of the Cheshire Insurance Committee, and from 1939 to 1947 he acted as administrative officer of the Cheshire Protection of Practices Committee and secretary and administrative officer of the Cheshire County Pharmaceutical War Committee. He has also served on the South-west Lancashire and Cheshire Joint (Prescriptions) Committee, and the Cheshire and North Wales Joint Committee for Diagnostic Facilities. In 1933 he was presented by the Insurance Committee with an illuminated address to mark his twenty-one years' service, and in 1948 he received a silver tea service from the (doctors') Panel Committee in recognition of his services during the whole period of the National Health Insurance. Mr. West says that he has seen the insured population in his area rise from 250,000 to 780,000, and the annual expenditure rise from £530,000 to an estimated £2,352,255.

TRADE NOTES

Name of a Company. — The Denver Chemical Manufacturing Co., 12 Carlisle Road, N.W.6, point out that the firm's title is as here given.

Oxygenated Henna Shampoo.—Kathleen Court (England), Ltd., 19 Thames Street, Hampton, Middlesex, are advertising in the Press their new Hennafoam shampoo.

Comb Display Stand.—Jarrett, Rainsford & Laughton, Ltd., Kent Street, Birmingham, 5, are sending a display stand free with each one-quarter gross Ladye Jayne combs ordered now from wholesalers.

Individual Packaging Service.—Arthur H. Cox & Co., Ltd., Brighton, draw attention on another page to the individual packaging service they provide for their chemist customers.

Advertising Campaign. — J. C. Eno, Ltd., Watford, sole distributors for the Thermogene Co., Ltd., Haywards Heath, are advertising Thermogene rub for children extensively in National newspapers during the winter.

New Pack.—Raywarp Textiles, Ltd., Alfred Street North, Nottingham, are now issuing their R7 slumber net with elastic chin strap in a smaller sized 3-doz. counter display outer. The quality of the product has been improved without change in price.

Gee's Linctus Pastilles. — Rodmill Chemical Co., Ltd., 49 St. Anne Street, Liverpool, 3, have introduced Gee's linctus pastilles (two pastilles equivalent to a dose of the linctus) in colourful tins. They are issued in display outers of 1 doz.

Cleanser for Nylons.—Rose Petal Production Co., 40 Fulham High Street, London, S.W.6, have introduced Rose Petal Wash as a cleanser for nylon stockings; it is claimed to give them added durability. Each transparent packet (over-printed with a rose design) is enough for twenty washes or more.

Catalogues Wanted. — Mr. Rex Howarth, M.P.S., who has recently taken up an appointment as chief pharmacist to the Kuwait Oil Co., Kuwait, Persian Gulf, seeks price lists, medical literature, and catalogues of dispensing equipment and accessories to assist him in stocking and fitting up a pharmaceutical department.

Vitamin B₁₂ Concentrate.—Glaxo Laboratories, Ltd., Greenford, announce that

Cytamen, a concentrate of vitamin B₁₂ tained from deep fermentation of mould *Streptomyces* was launched on cember 5. The product is a practical re of the isolation of crystalline vitamin (from liver) achieved simultaneously in 1 by Dr. E. Lester Smith (senior biocher of the company) and by an American te plus later knowledge gained in laborat and clinical work. Each 1-c.c. ampoule Cytamen contains 20 microgm. equival of vitamin B₁₂, standardised by microl logical assay and clinically tested. product is supplied in boxes of six ampoules.

British-made Hydrazine.—A member the B.C.B. group of companies (i.e., Bri Chemicals & Biologicals, Ltd., 43 Reg Street, Loughborough) has completed erection of a new plant for the manu ture of 60 per cent., 90 per cent, and per cent. hydrazine hydrate, and of hyc zine sulphate, hydrobromide, hydrochlor and nitrate. Hydrazine and its salts h valuable applications in the chemical allied industries owing to the powerful ducing action of hydrazine, compounds which may be used in the manufacture organic chemicals and dyestuffs, as a ducing agent for the deposition of me from solutions of their salts, and in m other ways. Information may be obtai from the company.

P.A.T.A. Year Book.—The year b and protected list, 1949-50, of the Prop tary Articles Trade Association was cently distributed to chemists and ot members of the Association. The list g the trade and retail prices (tax-inclu where applicable) of the products of manufacturer members, and the purch tax rate for each chargeable product. I 1 consists of medicinal and surgical p parations, and Part 2 of toilet preparati cosmetics, foods, etc. An innovation is inclusion in the year book of a comp alphabetical list of proprietary arti protected by the P.A.T.A., with a reference against each entry showing page on which the manufacturers' na and price of the article are to be fou

Purchase-tax Changes. — The ANG FRENCH DRUG CO., LTD., 11 Guilf Street, London, W.C.1, state that purch tax has been reimposed on the 500-tal bottle of Hypotensyl. — The CROOK LABORATORIES, LTD., Park Royal, Lond

N.W.10, state that they have been successful in negotiations with the customs and Excise authorities in securing exemption from purchase tax of winchesters of Collo-one and Collotone (veterinary).—GLAXO LABORATORIES, LTD., Greenford, Middlesex, announce that purchase tax has been imposed on tablets of Ostocalcium, Calceferum and Ostelin. The 1,000-tablet pack of each, and all packs of colloidal calcium with Ostelin, are being redesigned as tax-free dispensing packs at unchanged prices.

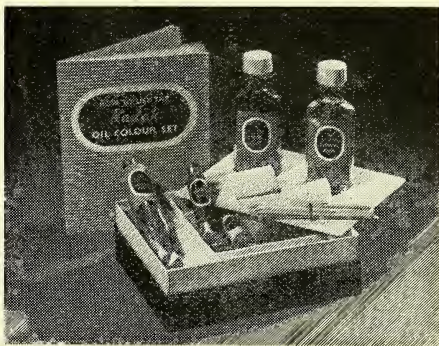
Price Alterations.—ARTHUR H. COX & CO., LTD., Lewes Road, Brighton, 7, announce alterations in the prices of their Chestnuts.—THE CROOKES LABORATORIES, LTD., Park Royal, London, N.W.10, state that, in common with other leading manufacturers, they reduced the prices of their vitamin-B₁ tablets and ampoules and of vitamin-B₂ tablets on November 14. On November 22 price increases became effective also for the following specialities of the company:—Crookes pulv. alkalina co.; Crookes stilbæstrol salve, 1-oz.; and Crookes zinc ophthalmic, $\frac{1}{2}$ -oz. set. Trade discounts are unchanged. The retail prices of Neo-ferrum and Neo-ferrum with arsenic are being increased on December 12.—MAY & BAKER, LTD., Dagenham, Essex, announce alterations in the prices of Uropac, Uriodone, Uriodone Forte, Vasiodone and water-soluble contrast media, M. & B.

New Container Adopted.—Moore Medical Products, Ltd., 64 Gloucester Place, London, W.1, have adopted as standard for their Bon-Accord, Brovon and Deedon inhalers a printed screw-capped aluminium container, varying only according to size and overprinting. The new container was welcomed by visitors to the London Medical Exhibition, recently, as hygienically an advance in the presentation of the company's well-known hand-operated atomisers. The container for the Brovon midjet inhaler is illustrated.



Oil Colour Set.—Kodak, Ltd., Wealdstone, Harrow, Middlesex, have introduced

an improved and enlarged version of the Kodak oil colour set. The set contains a wide range of highly concentrated colours that blend well together, and an instruc-



tion book giving advice on choice of colour; blending and application; the colouring of portraits and landscapes; and including a tabulated guide to the use of the colours.

Proprietary Articles Trade Association

Additions to Protected List (Part 1).—

Skol Products, Ltd. (sole distributors, *Scott & Bowne, Ltd.*), Skol sun lotion, 12s. doz., tax 33 $\frac{1}{3}$ per cent., inclusive retail price, 1s. 10d.; 18s. doz., tax 33 $\frac{1}{3}$ per cent., i.r.p., 2s. 9d.; 30s. doz., tax 33 $\frac{1}{3}$ per cent., i.r.p., 4s. 7d. Healex antiseptic lotion, 8s. 5d. doz., tax 33 $\frac{1}{3}$ per cent., i.r.p., 1s. 2d.; 15s. doz., tax 33 $\frac{1}{3}$ per cent., i.r.p., 2s. 1d.; 24s. doz., tax 33 $\frac{1}{3}$ per cent., i.r.p., 3s. 4d.

Alterations to Protected List (Part 1).

—*British Felsol Co., Ltd.*, Felsol powders, tax-free dispensing pack (ninety powders, 11s. 3d. per box) now available. The pack may be included to qualify for bonus terms available on orders to a trade value of 22s. 6d.

Crookes Laboratories, Ltd., Lacto-calamine cream, Neo-ferrum, zinc cream. Previously tax-free dispensing packs again subject to 33 $\frac{1}{3}$ per cent. purchase tax. Crookes iodine oil (previously listed as Collosol iodine oil), 1-oz., 16s. doz., tax 33 $\frac{1}{3}$ per cent., i.r.p., 2s. 5d., 4-oz., 48s. doz., tax 33 $\frac{1}{3}$ per cent., i.r.p., 7s. 4d.; 16-oz., 144s. doz., tax 33 $\frac{1}{3}$ per cent., i.r.p., 22s.; 80-oz., 50s. each, tax 33 $\frac{1}{3}$ per cent., i.r.p., 83s. 4d. Halimalt (new size), 8-oz., 20s. doz. 2s. 6d.; 1-lb., 32s. doz., 4s. (exempt from tax).

MACHINERY, PLANT AND EQUIPMENT

Precision Labelling.—Of a number of labelling machines manufactured by Rawsons (Labelling Machines), Ltd., North Farm Road, High Brooms, Tunbridge Wells, Kent, the model most likely to interest pharmaceutical manufacturers is possibly the Autorex Precision labeller illustrated. The model is accurate, versatile and efficient. It is suitable for ampoules, for bottles, small as well as large, plain or fancy, and it is especially serviceable for labelling panels and recesses. It has two readily interchangeable wiping movements, is quickly adjusted, portable and quiet. The model is capable of speeds up to 210 doz. containers hourly, and is adapted for continuous or single delivery. A descriptive folder is obtainable from the manufacturers.

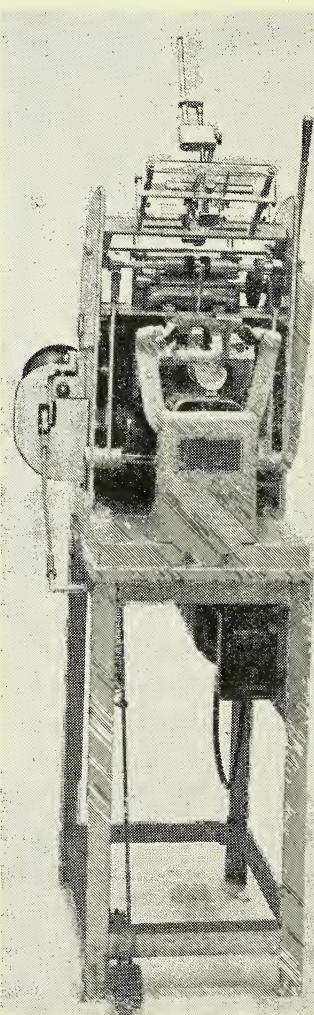
Photographic Washing Apparatus. — A new Velox siphon washer, issued by Kodak, Ltd., Kingsway, London, W.C.2, is specially designed for trade developing and printing work. The washer is a compact apparatus capable of dealing efficiently with about 500 prints an hour at low water consumption (about half the amount used by normal washing methods). The unit consists of two round opal plastic bowls 15 in. in diameter and 3 in. deep, coupled together by a trough containing an automatic siphon, water inlet and waste pipe. Water jets connected by rubber hose to the main supply feed the bowls. The unit is mounted on a tubular stand about 5 in. high, and the whole fits easily into standard "rocker" sinks. Each bowl holds up to eighty $\frac{1}{4}$ -pl. prints, and washing is com-

plete in about 20 min. Fine jets feed water into the bowls and maintain agitation. When the level of the water has risen about 2 in., the automatic siphon causes it to fall rapidly to within about $\frac{1}{4}$ in. of the bottom of the bowl. The siphon then closes automatically and the jets begin the refilling and agitation again. The whole sequence takes about three minutes.

Truck for Drums.

By means of a load-gripping device, the Slingshot drum truck engages the top rim of a drum which thus pulls over onto the truck and remains securely held in a balanced position for wheeling the drum or setting it at rest. The load-gripping device is instantly adjustable and the truck has jolt-proof wheels and a handle shaped to conform to the operator's body. It is made by H. C. Slingsby, Ltd., 89 Kingsway, London, W.C.2.

Factory Powder Recovery. — In factories handling or producing finely divided powders (e.g., cosmetics) it is usually necessary both to remove the dust of the product from the atmosphere and to reclaim it to avoid loss. This may be done by a system of "air conveying," in which Vokes, Ltd., Guildford, Surrey, are exponents. The Voke dust-recovery filter units have cubic-foot-per-minute capacities over a wide range according to the nature of the product and factory, from small units with hand-operated cleaning mechanism and a capacity up to 250, to plant



with internal walkways and capacities of 2,000 c.f.m. The filter-bag frames are of double-crimped wire mesh with convex sides (to ensure that the bag is taut).

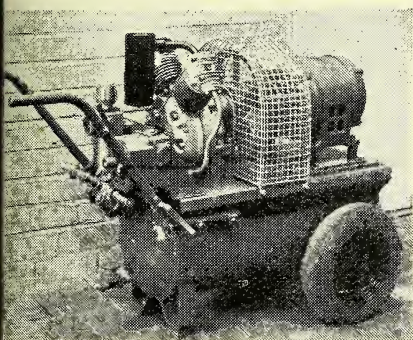
Fully Automatic Labelling Machine.

D. Trapow & Co., Ltd., 113 Regent's Park Road, London, W.1, have developed a new fully automatic labelling machine, capable

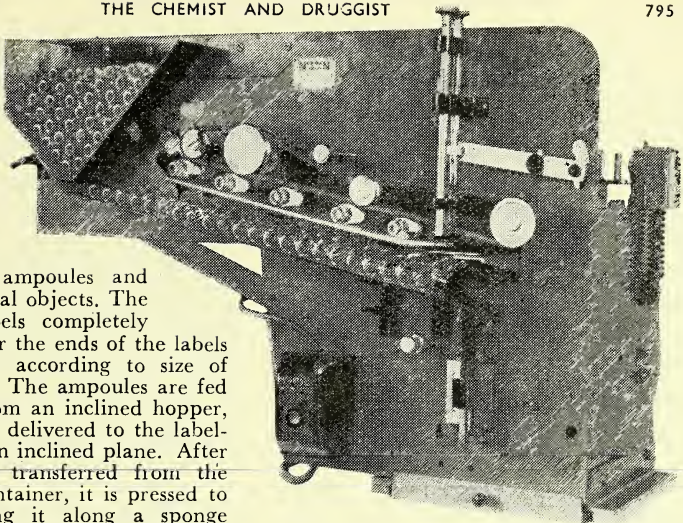
of handling vials, ampoules and other small cylindrical objects. The machine affixes labels completely round containers, or the ends of the labels may be overlapped, according to size of label and container. The ampoules are fed to the machine from an inclined hopper, from which they are delivered to the labelling position along an inclined plane. After the label has been transferred from the template to the container, it is pressed to the latter by rolling it along a sponge rubber pad, the bottles being rotated by a belt. The containers are finally unloaded from the machine at a speed of up to 200 p.p.h.

Removal of Atmospheric Impurities.—

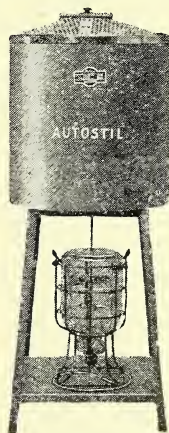
The Hymatic Engineering Co., Ltd., Redditch, Worcs, have evolved a high-prec-



on air rectifier and reducing-valve unit that delivers dry, clean air at any desired pressure. In the Hymatic air-rectifier the high-pressure supply air is introduced at high velocity through a specially designed orifice, mechanical separation of the impurities being effected centrifugally by a downward rotating spiral motion. There is a second stage of purification by an upward passage at reduced velocity through a "scrubbing" medium. The company also manufacture mobile compressor sets or insecticide spraying outfits (as illustrated above).



Removal of Vapour from Gases.—Designed for "solid absorption of water vapour from gases," the Birlec Electrodryer, manufactured by Birlec, Ltd., Tyburn Road, Erdington, Birmingham, 24, traps the moisture on the extensive surface of a specially prepared porous, granular, activated alumina, the important characteristic of which is its ability to give off its adsorbed water under heat without itself suffering any change. A range of models has been designed to meet varying needs.



Electric Still.—Run-baked Electrical Products (Electrical & Auto Products (1931), Ltd.), 71 Oxford Street, Manchester, are the makers of the Autostil electric water distiller, an apparatus 45 in. high and 17 in. in diameter, and requiring a floor space of 1½ sq. ft., for distilling water independent of connection to water mains for flow or cooling. The Autostil operates

by charging with water and switching on the current. (If, for any reason, the water supply is not replenished, the machine switches itself off.)

UNIVERSITIES AND INDUSTRY CONFER

RECENTLY a first conference of leading representatives of all British universities and of industry was convened by the Federation of British Industries, through its education and industrial-research committees. About 130 delegates and guests met near Leamington Spa, and the discussions covered a wide range of subjects, including industry's requirements of scientists and technologists, their education and training, and the extent to which industry can employ arts graduates. Methods of selecting arts graduates for entry into industry, and their subsequent training, were examined. Attention was drawn by many speakers to the present serious shortage of science teachers for schools, and it was pointed out that this constituted a possible threat to the continued supply of science-students to the universities.

Developing Contacts

Other subjects dealt with included the extent to which education for management is desirable in the universities, the uses to which vacation courses can be put, post-graduate courses for men proposing to enter industry, and various means of developing closer contacts between industry and the universities. Industry was asked to supply the University Appointment Boards with fuller information on opportunities for careers in individual industries and firms, and on the need for different types of graduates.

In an analysis of replies to a questionnaire on the use by industry of university graduates, the Federation states that the twelve-point questionnaire asked for statistics and comments from firms on their experience in the employment of university graduates. Forty-three replies contained comments and full statistics. A further ten commented on special points. Eight replies gave reasons why university graduates were not employed by the respondents. In general, graduates are required by firms for research, process and production control, quality control, process development, product design, various aspects of engineering, including technical and maintenance, and as experts such as chemists, metallurgists and various kinds of technologists. On the non-technical side they are required for market research, sales, secretarial, statistical and legal work, and for the production of literature. Numbers are recruited as management trainees

(i.e., they are engaged because they thought suitable for the firm and after period of training are employed as assistants and subsequently managers in particular section of the company which they show greatest aptitude). appreciable number attain executive or ministrative positions but, as a rule, they are not recruited for such positions directly. The great majority of firms that replied have training schemes, some of which informal. All but three of the firms replying gave an unqualified "yes" to question "Are avenues open for the best of the graduates you employ to reach the highest positions?" The three concerned the minority said that they recruited graduates for scientific and technical positions only and regarded them as engaged specialists.

A number of firms commented that in industry the number of high positions available is few. Only exceptional persons can hope to attain them, and there is severe competition between graduates and those who have entered the firm at a junior level and gained experience by "going through the mill." The replies received indicated that the period of training of graduates after recruitment varied between three months and five years, according to the nature of the company's business and the department or position for which the graduate was being trained. The average period of time appeared to be fifteen-eighteen months.

Opportunities for Arts Graduates

Opportunities for arts graduates were thought to exist in the sales, secretarial, publicity, commercial, educational and personnel departments, many of which "should eventually lead to positions involving management responsibility." Entrants must therefore regard themselves as trained. "An arts man who goes in for an industrial career should only do so because it is his aim, because he feels himself better equipped as a result of his university experience." Several firms replied that perhaps the ideal arrangement was for an arts man subsequently to study some other technical subject, "but in practice life is too short." All who commented on the graduate who had had war-time Forces' experience were unanimous in their approval of him. More thought military service should precede university studies.

REVIEW OF ATOMIC ENERGY

At a meeting of the Glasgow and South-eastern Scottish Branch of the Pharmaceutical Society on November 30, Mr. S. Lughan in the chair, Mr. A. T. DALZIEL gave an address entitled "The Atom and its Reservoirs of Energy."

Energy "Shells"

MR. DALZIEL in his review went back to 1780, when the first table of elements was compiled. He illustrated by diagrams the structure of the atomic pile. In the atom, he said, electrons were going round a central nucleus but confined to certain energy shells." Each shell could take only its proper quanta of electrons. The seventh shell was unstable and in all normal chemical reactions the sixth was the last to hold together on earth. In the spectroscopic study of the stars it was possible to go far beyond the sixth shell: thirty-one energy levels had been recognised. The speaker laid stress on the enormous energy freed from the atomic pile, and said the power from the fission of 1 lb. of plutonium would give the same amount of energy as 5,950 tons of coal. The atomic bomb dropped at Hiroshima had killed 50 per cent. of the population within a radius of four to eight miles of the explosion. Many of those people suffered no mechanical damage yet died of anaemia as a result of gamma rays attacking the marrow in their bones.

There were many difficulties hindering the use of atomic power for power stations. One was the cooling system. The water that must be used for the purpose could not be conveyed to the sea after use because of its contamination, nor could it be used more than once or decontaminated fast enough. The atomic pile was now creating radioactive isotopes. Isotope 35 of sulphur was valuable in medicine, and atomic scientists were being asked to produce it in greater quantities. If atomic power were rightly used, great benefits would be made available to mankind.

THE CHAIRMAN expressed the appreciation of members for Mr. Dalziel's lecture, which had been, he said, of interest to them all. MR. HOLM (vice-chairman) proposed votes of thanks to speaker and chairman.

THE SECRETARY (Mr. A. Officer) read correspondence regarding the Thomas Guthrie bequest of £100 to the Branch, and it was unanimously decided that that sum should be added to the Branch prize fund.

CHEMOTHERAPY IN MALIGNANT DISEASE

REVIEWING chemotherapeutic means of attacking cancer, Dodds ("British Medical Journal," November 26, p. 1191) classifies the active substances into (a) those that affect the host background so that the growth of the malignant tumour is suppressed or held in abeyance (such as the oestrogens), and (b) cytotoxic compounds that act preferentially on the cancer cells as compared with the host. Important compounds in the second class are urethane and nitrogen mustards. Chemical research has produced modified folic acids, including aminopterin, which possesses powerful anti-folic-acid activity. The substances interfere with the multiplication of cells and have been found of use in the treatment of a number of transplanted tumours. They have also been used in the treatment of human malignant disease, particularly leucæmias. The author warns that cytotoxic compounds are extremely toxic and that their use in the human subject is fraught with danger. Cade (*ibid.*, 1109) concludes, from an examination of a number of cases, that the late stages of cancer of the breast can be influenced by sex hormones, usually favourably, though occasionally the compounds aggravate the condition.

NEW BOOKS

Review of Pharmacy.—George Fiero. 8½ x 6 in. Pp. 121. 18s. Chapman & Hall, Ltd., 37 Essex Street, London, W.C.2. In a series of tabulations the author condenses, primarily for pharmacy college graduates of the United States, information about the drugs, chemicals and preparations of the U.S.P. and (U.S.) National Formulary. The present (sixth) edition conforms with the English titles used in those publications.

Physique of Young Adult Males.—W. J. Martin. 9½ in. x 6 in., pp. 66, 1s. 3d., H.M. Stationery Office, Kingsway, London, W.C.2. The Memorandum (No. 20 in a series prepared by the Medical Research Council) is based on a statistical analysis of the records of the first medical examination of some 90,000 recruits between the ages of twenty and twenty-one who were called up in the months before the outbreak of the 1929-45 war. It contains information on their physical measurements, medical fitness and eyesight.

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VOL. CLII DECEMBER 10, 1949 No. 3642

Medical Men and Dispensing Tests

It is encouraging to see from a letter and an editorial article in the "British Medical Journal," December 3, entitled "Catching the Chemist," that doctors have taken up the cudgels against a provision incorporated in the National Health Service (and inherited from the National Health Insurance) which many pharmacists regard as professionally unwarranted. The provision is the official testing of N.H.S. dispensing by resort to subterfuge. The writer of the letter has declined to provide his local Executive Council with "three prescriptions for imaginary patients," for testing the "dispensing powers of the local chemists." He felt the practice was "undesirable and unethical" and had never wished to be a "snooper." "What is my friend the chemist to think of me," he asks, "if, having dispensed an apparently genuine prescription signed by me, he finds it is all a trap to catch him out? I'm afraid I value his opinion too much."

Executive Councils are required under Regulation 26 of the General Medical and Pharmaceutical Services Regulations, 1948, to test drugs and appliances after consulting with the Local Pharmaceutical Committee. It is probable, as the B.M.J. points out, that most Councils adopt the model scheme prepared by the Ministry whereby the test prescription, written by a doctor on the Council's list, is handed to an "agent of the Council," who presents it to a chemist (the name of the chemist is not disclosed to the doctor) for dispens-

ing. After it has been dispensed the agent reveals the true purpose of the prescription. The B.M.J. doubts the validity of a procedure, put forward, perhaps, to protect the public from abuse, that compels doctors to "collaborate with agents" and to "consort with imaginary patients," while bringing honour to no one concerned.

Chemists have no call to shrink from the testing of their dispensing, but they may understandably take the institution of a test as a slur upon their professional ability—a slur no employer would inflict on any responsible employee if he wished to obtain his best co-operation.

Although the test prescriptions are usually set with care, and with the safeguard of the Local Pharmaceutical Committee's co-operation, it is possible that, at least in the case of pharmacists who react badly to the atmosphere of an examination room, the efficiency of the dispensing service may be impaired by the existence of tests, particularly when those pharmacists must suspect any patient not known to them as a possible "agent."

The Ministry may claim that, as it is buying some £21 millions' worth of medicines per annum, it must have some check (apart from statutory pharmaceutical qualifications) on the quality of those medicines. But to be consistent it should test the services of other contractors, including the dispensing of doctors, which might conceivably involve an agent posing as a patient to a rural dispensing-doctor. Any move in this direction, as the "British Medical Journal" rightly points out, would be intolerable to members of the medical profession.

The removal of subterfuge from testing would result in increased goodwill of the pharmaceutical and medical professions. As it would be difficult to apply a test without subterfuge (although the B.M.J. suggests that the agent could select one of the made-up and "waiting" medicines), another advantage resulting from this removal might prove to be a financial saving equal to the cost of the agents' and analysts' fees. Even the relaxation of test prescriptions might be worth trying, at least for an adequate experimental period.

The Doctor's Discretion

THE resurgence of peace has been followed by abandonment of war-time expedients in medicine. The issue of a new British Pharmacopœia in 1948, followed by the publication of the National Formulary and British Pharmaceutical Codex in 1949, should usher in an era of stabilisation in the pharmaceutical preparations subject to official standards. The time has come when the interests of the expanding health service will best be served by allowing prescribers to become fully acquainted with the medicaments at their disposal, and by avoiding trivial modifications in established formulas. Compilers of dispensaries are apt to overlook the fact that the general medical practitioner continues to prescribe a medicine by the name to which he is accustomed irrespective of changes in composition (of which he may not even be aware). Those changes may involve a deplorable deterioration in therapeutic values, as the example of "mist. expect." may illustrate:—

MISTURA EXPECTORANS

	N.F. 1933	N.W.F. 1941-3	N.W.F. 1947	N.F. 1949
Ammon. carb. ...	gr. 3	gr. 3	gr. 3‡	gr. 3
Tinct. ipecac. ...	m. 7½	m. ½*	m. 10	m. 10
Tinct. opii camph.	m. 15	m. 2 †	m. 15	—
Ext. glycyrr. liq....	—	—	m. 10	m. 10
Aq. ad fl. oz.	½	½	½	½

*Liquid ext.=m. 10 tinct. †Conc.=16 tinct.

‡Bicarb.

The sequence from the "mist. expect." of 1933 is towards "rationalising" the title in the National War Formulary of 1941 and 1943 into "mistura ammoniæ et ipecacuanhæ composita," with "mistura expectorans" and "mistura tussis" as synonyms. From 1941 to 1947 the therapeutic value is retained (and slightly increased) by use of concentrates as a war economy. In 1947, the alternative synonym (mistura tussis) is dropped, with reversion to tincture of ipecacuanha and paregoric in full strength. Improvements comprise adding liquorice (to give body and flavour) and using ammonium bicarbonate (to ensure ammonia content). The N.F., 1949, omits synonyms and leaves out the camphorated tincture of opium, but includes anise water and camphor water to simulate the flavour thereof. A notice

appended to the formula states that "When mistura expectorans is prescribed, mistura ammoniæ et ipecacuanhæ shall be dispensed." Thus the popular cough mixture has retrogressed to the deceptive "sedative" category, presumably to satisfy some anti-opium prejudice. The 1932 B.P. adopted "tinctura opii camphorata" as the official title for paregoric (relegated to the status of a synonym) in a zealous endeavour to emphasise its opiate character. Nevertheless "tinct. camph. co." persists in prescriptions. Attempts at dictating the names and nature of remedies only defeat themselves. It is as easy to write "mist. sedativa" as "mist. expectorans" and doing so results in more than double the dose of morphine. "Mist. tussi rub." was in 1949, no longer recognised as a standard formula or synonym, owing to its unpleasant taste and appearance. Nevertheless, physicians continue to prescribe it, or alternatively to replace it by tincture of opium, even more palatable and potent proprietary equivalents.

Our contention is that the time has arrived when the right of the doctor to give opiates must be recognised as a matter for the exercise of his own discretion in the interests of his patient. The Secretary-General of the United Nations has stated (see p. 802) that narcotics are indispensable to modern medicine and bring a great benefit to mankind when used to alleviate pain and restore health.

A PHARMACIST'S ANTHOLOGY

IN 1895, wearing a smart frock-coat and an even smarter puce cravat, Manse Roberts opened his chemist's shop at the base of an arboreal North London hill intersected with rows of solid new villas. The wholesome breezes of Hampstead Heath blew down over the hill before losing themselves with a different odour in the clotted lower-class districts far below. Among tasteful scrolls heading the new chemist's bills—and much more imposing than the actual premises—was an engraving depicting the shop's exterior with two smart carriages drawn up at the kerb. From "The Dark Daughters," by Rhys Davies.

PUBLIC PHARMACISTS' SPECIAL MEETING

SPECIAL general meeting of the Guild of Public Pharmacists was held in London on December 3, Mr. D. H. S. Cox (president) in the chair. The meeting had been called at the request of twenty members, to consider the salary award of the Industrial Court (Hospital Pharmacists' Salary Scales—Claim for Increase) and the implications of the "Hospital Pharmacists' Salary Scales for New Entrants"; and to formulate and vote upon a motion reflecting the opinions expressed by members present at the meeting.

Why Meeting was Called

The case for calling the meeting was fully stated by one of the signatories to the request. The age linkage to twenty-five for new entrants was one of the principal points causing concern, and the opinion was expressed that, at a time when the need for attracting young men into the hospital pharmaceutical service was most desirable, that point alone would tend to reduce the flow of entrants so essential to maintain the efficiency of the pharmaceutical service.

The chairman of Committee C outlined the course of the negotiations leading up to the decision to take the matter to the Industrial Court, and indicated subsequent progress and the reasons for accepting, among other things, the age linkage. In the course of his statement he effectively met the criticism that members were not kept informed of the progress of the negotiations, and emphasised that it was not possible to publish detailed information in the pharmaceutical Press during the course of negotiations without grave prejudice to their success. As much as possible had been done to inform the membership by district members and members of council addressing meetings of the branches. As much detailed information as it was possible to give (at a time when it is confidently expected that an interim salary scale will be finally negotiated in the immediate future) was imparted to the meeting. There followed a full and free discussion covering all the chief causes of dissatisfaction which, it was generally admitted, were inherent in the way in which the management side insisted upon their views and their interpretation of the Industrial Court Award. The following motion was then formulated, read to the meeting on behalf of those members who signed the request, and seconded:

"That the Guild's representatives on Committee C of the Pharmaceutical Whitley Council be instructed that the Salary Scales of New Entrants, Hospital Pharmacists, tied to any age, are not in accordance with the award of the Industrial Court and are therefore not acceptable to this general meeting of the Guild of Public Pharmacists."

The amendment which follows was then proposed and seconded:

"That this meeting, recognising that the results of the negotiations are a great disappointment to the members of the Guild and a grave reflection of the attitude of the management side of Committee C in their approach to the pharmaceutical profession in the Hospital Service (particularly the linkage of the award to age and the points scheme), expresses its confidence in the efforts of the Council and its negotiators."

During the subsequent discussion on the motion, it was pointed out that, in the original motion, only one objection had been singled out for particular mention, whereas the amendment brought out that grave dissatisfaction existed with other aspects of the scales, such as the points scheme for grading, with its unfair discrimination against mental and other special hospital pharmacists. When put to the vote, the amendment was carried by a substantial majority.

Closing the meeting, the chairman expressed his satisfaction at seeing so many members from all over the country, including Scotland.

Applied Medicine.—The other day the gas inspector visited my house. He was carrying the four feet of iron pipe with a small wooden disc at one end which is traditionally strapped to the crossbar of the inspector's bicycle, but this man came on foot. I don't think he knew I was a doctor, for I have no plate up and I was wearing my second best. On my asking what was the weapon he was carrying he paused to build up an atmosphere of mystery and then said with lowered voice, "It's a stethoscope!" I registered appropriate awe and asked what he heard with it, secretly hoping for some lurid description of subterranean bronchi. He replied, with commendable frankness, "Not much. But you sometimes 'ear a sort o' squeakin' if the main's broke." I sympathised. — A peripatetic correspondent in the "Lancet."

POISONS LAW, 1935-49

19. The Need for Co-ordination

POISONS law is unduly affected (and afflicted) by lack of co-ordination between the authorities responsible for legal requirements and other bodies concerned in their application. The original intention of the Home Office in making alterations in the Poisons List and Rules on the recommendation of the Poisons Board was set aside by war emergencies, and the Board lapsed into an obscurity from which it has hardly yet emerged. Publication of the Poisons Rules, 1949, performed a valuable service in consolidating and co-ordinating the many amendments to the 1935 Poisons Rules. Nevertheless, much remains to be done in clarifying the position under the Dangerous Drugs Acts, and putting a period to the changes in status and standards of statutory poisons.

Rationalisation Moves

Endeavours to "rationalise" poisons nomenclature have so far been singularly unsuccessful, both internationally and domestically. Again, B.P. and B.P.C. changes are apt to conflict with existing provisions and create extraneous problems (of composition and character) in the absence in advance of due notice of official alterations. Extraneous considerations affect poisons law to an extent requiring closer attention and better co-operation between the competent authorities, as is made evident below.

International synonyms have signally failed to secure the implied uniformity. Thus, Fowler's Solution of 1786 was an imitation of the celebrated remedy "Patent Ague Drops." Tinct. lavand. co. was added so that the colour and taste would prevent patients inferring that it could be taken freely, and this was adopted as "Liquor Arsenicalis" in the British Pharmacopœias of 1867, 1885, 1898 and 1914. Under the International Agreement of 1930, "Solution arsenicalis seu Fowleri" was designated a neutral solution with a standard of 1 per cent. of arsenious anhydride (arsenic trioxide). The present position is as follows:—

SOLUTIO ARSENICALIS SEU FOWLERI
Liquor arsenicalis, B.P., 1 per cent.—Neutral and colourless.
Liquor potassii arsenitis, U.S.P., 1 per cent.—Alkaline and colourless.
Soluté d'arsénite de potassium, French Codex, 1 per cent.—Alkaline and flavoured.

Thus there are internationally three different types of "Fowler's Solution." The original (coloured) product can still be obtained as liquor arseni alkalinus, B.P. 1934 (it is omitted from the 1949 Code).

Diamorphine Linctus

Linctus diamorphini is another example of international agreement resulting in conflicting and confusing changes. The recommendation at the 1931 Geneva Conference to restrict the use of diacetylmorphine "with a view to its eventual abolition" resulted in its prohibition in some countries (*C. & D.*, September 3, p. 31) but had relatively little effect on its legitimate use for alleviating pain and trouble some cough in this country. The frequently prescribed "Linct. diamorph. N.W.F." disappeared from the 1949 Code and the gap was filled by the 1949 Code formula, which was given official (pre-publication) status by Press notice. Thus dispensing chemists have to differentiate between:—

Linct. diamorph., N.W.F. (well known to prescribers; formerly in Drug Tariff)

Linct. diamorph., B.P.C., 1934 (named linct. diamorph. et hyoscy. B.P.C., 1949, not in Drug Tariff); and

Linct. diamorph., B.P.C., 1949 (new and virtually unknown formula, official in Drug Tariff of May 1949, for months before the B.P.C. was available).

Adopted Without Notification

Among the obscurities of poisons law none is greater than that of according official status otherwise than through the "central" (Home) office—unless, as with phenadoxone, it is adopting a name without any notification. An organisation for co-ordinating poisons law is already in existence and should be applied in controlling extraneous activities of the other bodies having direct connection therewith, viz.:—

HOME OFFICE: DRUGS DEPARTMENT
International (D.D.) Conventions
U.N. Economic and Social Council (General supervision)
World Health Organisation (Definition of "drugs")
Supervisory Body (Estimates and sanctions)
Permanent Central (Opium) Board (Statistics of production and consumption)

HOME OFFICE: POISONS BOARD

Domestic Poisons Law

armaceutical Society
neral Medical Council
nistry of Health (Drug tariff)
ernational Pharmacopœia (adoption optional)

Restriction is the operative condition in
sons law, and this tends to an unbalanced
titude. In particular, dispensing chem-
ists may come to feel that narcotics are
"damned" as well as "dangerous," and
that their use in medicine is merely a mat-
ter of sufferance pending the discovery of
narcotics free from habit-forming tenden-
cies. A new era in international poisons
law is ushered in by the publication by the
United Nations of a "Bulletin of Narco-
tics." A statement by the Secretary-Gen-
eral, providing a preface to issue No. 1
(October 1949), states:—

In themselves, narcotic drugs are nei-
ther dangerous nor harmful. Indispens-
able to modern medicine, they are used
throughout the world over to alleviate pain and res-
tore health. Thus used they are a great

benefit to mankind. But abused they
cause havoc and misery. The social dan-
gers of drug addiction are well known

... The international control and the
treaties on which it is based have, how-
ever, a wider significance than the lim-
ited field of narcotic drugs. If the prin-
ciples on which these treaties and this
control rest could be applied with equal
success to wider fields of human endea-
vour, to other kinds of dangerous wea-
pons, peace would be within our reach.

The Bulletin initially outlines the pre-
sent system of international control and
adds that the task of elaborating a single
international convention (to replace eight
existing international instruments) is "a
complex and difficult task." It is to be
hoped that such co-ordination of effort will
be extended to domestic law. In the mean-
time, it is encouraging to note that recog-
nition is accorded to the beneficial aspects
of narcotics and that in the future phar-
macists may be treated more as indispens-
able distributors rather than as potential
criminals.

HEAT INSULATORS FOR CHEMICAL PLANT

Best heat insulating materials possess a
cell-like structure, which traps air, and
thereby resists heat exchange. Of the nu-
merous new products that have been in-
troduced for heat insulating in the chemi-
cal and allied industries attention was
drawn immediately prior to the war to
vermiculite, a waste product of South
African mines, which could be caused to
swell to give a cellular structure by appli-
cation of heat. Kieselguhr continues to
be much used. It is supplied loose in
bags and is prepared for applying as in-
sulation on hot pipes by stirring (after the
addition of binders) into a stiff paste with
water. When the water has evaporated,
the spaces are left, and by the action of
the binding compositions, a firm product
results on drying. The insulating proper-
ties of magnesite practically equal those of
kieselguhr, but furnace slag insulating pre-
parations are much heavier.

Alternative Materials

For the production of chemicals, pre-
pared kieselguhr has the advantage of re-
sistance to acids, steam, etc., the action of
which tends to cause a number of alter-
native materials to disintegrate when high
temperatures are reached. Where the tem-
peratures do not exceed 300° C. advantage

is taken of the less expensive magnesite
preparations produced as shaped pieces.
Cellular-concrete, a preparation in which
small pores have been formed by a swell-
ing process, is a development of this.

To assist the plant designer, insulation is
prepared in the form of plaits and mats,
which combine the advantages of sectional
coverings with those of the plastic mass.
They mainly comprise a hose of jute or
asbestos, filled with the insulating material,
such as kieselguhr, granulated expanded
cork, silicate cotton, silk, and asbestos fibre.
Pads made of slag-wool, asbestos, and sili-
cate cotton are convenient for use in parts
which have to be repeatedly removed and
replaced, and which must always be
readily accessible. This type of insulation
is particularly useful for riveted seams of
plant, valves, and flanges, etc. Packed
insulation built for resistance to chemical
action and mechanical strains utilises a
hard outer casing, or sheet-metal jacket,
within which the slag-wool, silicate cotton,
or kieselguhr are packed.

Cork-stone possesses great durability and
mechanical strength but cannot easily be
used for complicated shapes. During the
expansion process most of the volatile con-
stituents of the cork are removed in a
vacuum treatment.—A. G. A.

MEDICAL ABSTRACTS

Methyl n-Propyl Ether in Anæsthesia.

—Sykes ("British Medical Journal," August 20, p. 420) describes the use of methyl n-propyl ether as an inhalational anæsthetic in twenty cases. Points of interest were lack of irritation of the respiratory tract and the small percentage of post-operative pulmonary and gastric complications. The compound, which is also known as Metopryl, is a clear, colourless, volatile liquid with a characteristic odour. It has the formula $\text{CH}_3\cdot\text{CH}_2\cdot\text{CH}_2\cdot\text{O}\cdot\text{CH}_3$.

Dyspnœa in Coal-miners. — Assuming that dyspnœa in the earliest stages of pneumoconiosis might be due to bronchospasms associated with focal emphysema, Robertson ("British Medical Journal," October 29, p. 961) administered iso-propyl nor adrenaline (Neo-Epinine) to fifty-eight colliers who complained of breathlessness. Inert tablets were given for one week followed by tablets (identical in appearance) containing 20 mgm. of the drug for four weeks. Little or no difference was found in the vital-capacity estimations with the inert tablets, but after four weeks of the drug, forty-four men felt "improvement" while under treatment.

Antihistamines in the Vomiting of Pregnancy.—Dougray ("British Medical Journal," November 12, p. 1081) suggests that the use of Anthisan and Phenergan may provide a simple and safe method of alleviating cases of nausea and vomiting of pregnancy that do not respond to dietary measures. Anthisan was given in doses from 0.1 gm. twice increased to six times daily, and Phenergan in doses of 0.025 gm. thrice daily. It was usually found possible to discontinue the drug after three or four weeks. The chief side effect noted with both drugs was drowsiness, and that, where marked, was successfully relieved by the administration of 0.5 mgm. amphetamine sulphate.

Vitamin B₁₂ in Anæmia.—Spies and colleagues ("Lancet," September 10, p. 454) found, in forty-nine cases (including pernicious microcytic anæmias and tropical and non-tropical sprues) treated with vitamin B₁₂ orally and parenterally, that minimum, maximum and optimum doses varied from patient to patient and from time to time in the same patient. The vitamin is 30 to 60 times more efficacious, weight for weight, parenterally than orally. No patient was found allergic to vitamin

B₁₂ or to refined concentrates of it. Six cases of macrocytic anæmia with megaloblastic arrest of the bone marrow did respond to liver extract, folic acid or vitamin B₁₂ orally or parenterally.

Winter Care of the Skin.—For an itchy, dry and sore skin in winter, Bo ("Practitioner," 1948, II, 461) suggests ointment such as the following:

R Wool alcohols	60
Hard paraffin	170
Soft paraffin	170
Liquid paraffin	600

The preparation may be used as a hydrating cream formed by mixing with the ointment an equal part of distilled water. Oil-in-water emulsions, such as the base for p-cyclin cream, had a drying effect on exudative skin conditions. For those conditions "old-fashioned pastes" were valuable, and a paste made to the following formula spread on soft cotton is suggested:—

R Ointment of zinc oxide	
Ointment of zinc oleate	
Zinc oxide and starch powder a.a.	60
Liquid paraffin	60
White soft paraffin	to 1 ounce

The skin should be cleansed with oil.

New Drug for Parkinsonism.—A new synthetic drug, trihexyphenidyl, 3-(4-piperidyl) - 1 - phenyl - 1 - cyclohexyl - propanol hydrochloride, known also as Artane, has been found by Doshay and Constable ("Journal of the American Medical Association," August 27, p. 13) to be a valuable addition to the drugs already in use for the treatment of Parkinsonism. In a series of 117 patients treated with this drug for periods ranging from six months to two years the condition was 76 per cent. improved. Post-encephalic parkinsonism required larger doses than arteriosclerotic or idiopathic forms of the disease. One or two mgm. twice daily (if necessary increasing to three or four times daily) was recommended in mild or moderately advanced cases. Trihexyphenidyl although having properties resembling atropine was found to be virtually non-toxic and well-tolerated. K. Coubin (*ibid.*, October 8, p. 3770) has treated 104 patients suffering from parkinsonism and related conditions. More than half of the patients had received the drug for more than six months and more appeared to derive sufficient benefit to justify continuing the treatment. Unpleasant effects were noticed occasionally by forty-one patients.

A FORGOTTEN PERIODICAL

By Adest

VENTURES in journalism planned for pharmacists and their associated wholesale houses have sometimes obtained only a limited success, as an article in *THE CHEMIST AND DRUGGIST* of August 24, 1946 showed. A now forgotten sample began publication in September 1874 and ended with its thirteenth monthly issue in October 1875. Its title was:

"The Medico-Pharmaceutical Abstract and Review: A high-class Journal Devoted to the interests of Medical men and Pharmacists, designed to bring the two important bodies into closer union, and supported by the leading Members of both Professions."

The first number contained thirty-two quarto pages, of which fourteen were allotted to advertisements. The price was sixpence. A prospectus accompanying the advertisement tariff stated: "The Projectors of the new Journal are fully aware of the arduousness and far-reaching responsibility of the work they have undertaken; but . . . having secured the sanction or services of the most distinguished representatives of medicine and pharmacy, they enter upon it with full confidence." Orders were to be addressed to Mr. Cyrus Buott, 4 Belgrave Street, London, W.C. Presumably he was the Mr. Buott who was registrar of the United Society of Chemists and Druggists during the negotiations that led to the passing of the Pharmacy Act of 1868. He was untiring in his efforts to organise the chemists and druggists of the country when it was thought that they were being ignored by the Legislature, and in 1868 he was presented with a testimonial. (Incidentally, the number of chemists and druggists in the country in 1863 was estimated at 35,000 (*C. & D.*, 1863.110): the estimate seems to be too high.)

A Miscellany

The first number began with an account, occupying about two columns, of the meeting of the British Pharmaceutical Conference held in London during the preceding month under the presidency of Mr. T. B. Groves. Shorter notices of the annual meetings of the British Medical Association and the British Association for the Advancement of Science came next. Passages from an address delivered at the American College of Pharmacy followed. There were

pharmaceutical, chemical and therapeutical abstracts. An account of Joseph Priestley was given, apropos of a commemoration in the United States. Under the heading "Literary," a Mr. A. E. Barr contributed some remarks on poppies. An anonymous article on artificial teeth filled three columns. News paragraphs were comprised in a "General Summary of the Month"; one of them was devoted to a spiritualist séance. In later issues of the periodical I have found references of varying length to water plants, population statistics, lead in beverages, an international pharmacopœia, arsenical wallpaper, and "sentimental botany." Excerpts from *THE CHEMIST AND DRUGGIST* and other journals are numerous; and "a hearty word of commendation" is bestowed on the 1875 *C. & D. Diary*. Rather surprisingly, an abstract of the Registrar-General's report for England and Wales for the year 1873 contains no mention of poisonings, though in fact those of interest to the trade numbered 325.

"Co-operative Dispensaries"

The second number, with which was incorporated Vol. VI, No. 9 of "The Chemists' and Druggists' Advocate" (a publication that I have been unable to trace), had a notice, taken from "The Times," of an interesting experiment with a system called "co-operative dispensaries." It appeared that the combined area of Manchester and Salford was to be divided into six districts, with a public dispensary in each. Every person joining the roll of subscribers was to pay a penny a week for medical attendance and medicine, with an entrance fee of sixpence. The entrance fee for a family was 1s.; a child under thirteen years of age was to be charged not more than twopenny weekly. Special fees for confinements and for persons suffering from illness when applying were listed. A "properly qualified" dentist and hospital treatment were available.

Each of the last three issues of "The Medico-Pharmaceutical Abstract and Review" contained a reminder that several subscriptions ("an unusual number" was the phrase) were overdue. In retrospect it is easy to see that it was handicapped from the outset by a preponderance of abstracts.

MISCELLANEOUS INQUIRIES

Pharmacists in South Africa.—

M. D. S.—In July 1949 there were 2,068 registered chemists and druggists in South Africa.

Control of Poultry Coryza.—*S. D. E.*—

Spraying the birds at night with a weak solution of formalin helps to retard the spread of infection of poultry coryza.

Sodium Chlorate as Weed-killer.—

J. M. W. L.—Sodium chlorate used as a weed-killer may be applied preferably as a solution at a strength of $\frac{1}{4}$ to 1-lb. to one gallon of water.

Thief-detecting Powder.—*S. M. R.*—

Powders that have been successfully used for dusting coins in detecting pilferers include fluorescein and eosin. Both preparations give a vivid stain immediately the hands are washed.

Cause of Violet Root Rot.—*S. N. W.*—

Violet root rot, a disease that attacks many plants including sugar and garden beets, mangold, carrot, swede, turnip, parsnip, beans, lucerne, clover, chicory, asparagus, seakale, celery, and rhubarb, is caused by a soil-inhabiting fungus, *Helicobasidium purpureum* Pat.

Silver Solder.—Two formulas for silver solder are:—

I				
Silver	...	...	...	19
Copper	...	...	...	1
Brass	...	...	...	2
II				
Copper	...	...	...	13
Silver	...	...	...	11

"Magic Flash" Paper.—*M. I.*—To prepare "magic flash" paper of the kind that appears to burn with an instantaneous flash when ignited, an unsized paper is treated for ten minutes in a mixture of four parts sulphuric acid and five parts nitric acid, washed free of acid, and dried by gentle heat. Care should be used in handling the preparation.

Red Spider in Glass-houses.—*L. B.*—To exclude the red spider mite (*Tetranychus telarius*, L.) from glass-houses, azobenzene, used as an aerosol (5-6 gm. per 1,000 cu. ft.), has been found to give satisfactory results. Azobenzene smoke generators are also used. The insecticide should be used while the foliage is dry and, if possible, a period of a few days should be left before the next overhead watering. Derris sprays are also effective.

Arquebusade Water.—*R. & H.*—A variety of formulas are on record for preparation. The following is typical

Oil of wormwood	}	a.a. 16 min
Oil of lavender		
Oil of thyme		
Oil of peppermint		
Oil of rosemary		
Oil of rue		
Oil of sage	}	30 fl. oz
Rectified spirit		
Mix and add		
Warm water		40 fl. oz
Strain through cotton wool.		

Preventing Windows from Steaming.

G. P. P.—Various mixtures of soap and glycerin are used for preventing the condensation of moisture on windows, a thin film of soap left behind preventing for a time at least, the condensation of moisture. A typical formula is the following, taken from "Pharmaceutical Formulas," Vol. II:—

Yellow soap	...	...	4
Glycerin	...	...	2
Hot water	...	...	12
Mix the cut-up soap with the water and a cream results, then add the glycerin.			

After-shave Lotions.—*C. M.*—Cle after-shave lotions may be made to the following formulas:—

I			
Zinc phenolsulphonate	...	...	2
Zinc sulphate	...	...	0.1
Water	...	...	90
Zinc phenolsulphate is astringent and antiseptic and similar to zinc sulphate except that its antiseptic action is a little stronger			
II			
Lactic acid	...	...	1
Water	...	...	99
Preservative	...	...	q.s.

Hair-wave Capsules.—*B. & B.*—The following formula gives a preparation suitable for packing in gelatin capsules, which on dissolving in water, produce a hair waving solution:—

Gum acacia	...	...	15
Gum tragacanth	...	...	10
Borax	...	...	20
Sodium sulphite	...	...	10
Boric acid	...	...	45
Perfume	...	...	q.s.

The solution is combed into the hair, which is then allowed to dry without further treatment. Each capsule to contain at least 2 gm. *pro dosis*. That amount to be dissolved in a small cupful of hot water.

GUIDE TO NEW MEDICAMENTS

Information about new proprietary medicaments to be supplied principally on prescription. Editorial recommendation is not implied. Reprints obtainable on application.

CRYSTALLINE PENICILLIN G EYE OINTMENT

MANUFACTURER: Glaxo Laboratories, Ltd., Greenford, Middlesex.

DESCRIPTION: An eye ointment containing in each gm. 25,000 units crystalline penicillin G.

INDICATIONS: Penicillin-sensitive infections of the eye where a high initial concentration is desirable; and intensive treatment of superficial skin diseases due to penicillin-sensitive organisms.

HOW SUPPLIED: 1-drachm tubes.

ANTABUS

MANUFACTURER: A. S. Medicinalco, Copenhagen (Agents: Roberts & Co., 76 New Bond Street, London, W.1).

DESCRIPTION: Tetra-ethyl-thiuram-disulphide.

INDICATIONS: Alcoholism.

REFERENCES IN THE MEDICAL PRESS: "Lancet," 1948.2.1001.

DOSE: $\frac{1}{2}$ -1 $\frac{1}{2}$ tablets daily, under medical supervision.

HOW SUPPLIED: Packs of fifty tablets each containing 0.5 gm.

EULISSIN

MANUFACTURER: Allen & Hanburys, Ltd., Bethnal Green, London, E.2.

DESCRIPTION: A sterile solution of decamethonium iodide (1:10 bistrimethylammonium diiodide, or C 10).

INDICATIONS: As a curarising agent to produce muscle relaxation in anaesthesia, and convulsive therapy.

DOSE: 1.5 to 2.5 c.c. as an initial dose depending upon the patient and the requirements of the physician or surgeon; subsequent doses 0.5 to 1 c.c.

HOW SUPPLIED: 2.5-c.c. ampoules, each containing 5 mgm. decamethonium iodide, in boxes of 6, 12 and 100.

NOTES: Eulissin can cause respiratory paralysis, if given in sufficiently large doses. The effect of Eulissin is sufficiently evanescent for controlled or artificial respiration to be an effective antidote.

ANTILUSIN

MANUFACTURER: Allen & Hanburys, Ltd., Bethnal Green, London, E.2.

DESCRIPTION: A sterile solution of pentamethonium iodide (pentamethylene 1:5 bistrimethylammonium diiodide or C5).

INDICATIONS: To be used in the investigation of hypertension and peripheral vascular diseases.

DOSE: 1.5 to 5 c.c. of the injection (see "Notes" below). (The initial dose of the preparation should never be greater than 2 c.c.).

HOW SUPPLIED: In 2.5 c.c. ampoules, each containing 50 mgm. pentamethonium iodide in boxes of 6, 12 and 100.

NOTES: The fall in blood pressure may be marked following the administration of Antilusin. Adrenaline, nikethamide, methylamphetamine sulphate or other suitable cardiac stimulant should be at hand when Antilusin is used. Antilusin is not an ideal antidote to Eulissin.

STOCK EXCHANGE PRICES

Quotations are the average for the days stated

£1 unit unless otherwise stated		Oct. 31	Nov. 30	£1 unit unless otherwise stated		Oct. 31	Nov. 30
	s. d.		s. d.		s. d.		s. d.
Allbright & Wilson, ord., 5s. ...	30 0		30 0	Imperial Chemical Industries, ord.	42 4½		43
Allen & Hanburys, pref. ord.				Imperial Chemical Industries, 7% cum. pref. stock ...	28 1½		28
7% cum. ...	29 4½		29 4½	International Sponge Importers, ord. stock, 5s. ...	2 9		3
Amber Chemical, ord., 2s. ...	5 0		5 0	Kent, G. B., & Sons, 5% cum. ptpg. pref., 12s. 6d. ...	13 9		13
Amber Chemical, 5% cum. pref.	23 1½		20 0	Kershaw, A., & Sons, ord. 1s. ...	9		9
Ascotts Pharmacies, ord. stock, 5s.	5 0		5 0	Kleemann, O. & M., ord. stock, 1s.	9 0½		8
Aspro, ord. stock, 5s. ...	21 3		21 3	Laporte, Chemicals, ord. stock, 5s.	9 4		9
Beecham Group, defd., 2s. 6d. ...	12 6		14 0	Lever Brothers & Unilever, ord.	42 6½		42
Beecham Maclean Holdings 4% red. cum. pref. ...	18 1½		18 1½	Lewis & Burroughs, ord. stock ...	21 10		21
Boake, Roberts, ord., 5s. ...	28 9		25 0	Lewis & Peat, ord., 1s. ...	1 3		1
Boots (Eastern) "A" pfd. 6% cum.	27 0		27 0	Liebig's Extract of Meat, ord., £5 280 0	290		290
Boots (Western) "A" pfd. ord. (7% non-cum.) ...	28 9		28 9	Macleans, 4% red. cum. pref. ...	18 9		18
Boots Pure Drug, ord., 5s. ...	48 0		49 9	Mellin's Food, 6% cum. pref. ...	5 0		7
Borax Consold., defd. ord. stock	57 6		58 1½	Milton Antiseptic, ord. 10s. ...	20 0		20
British Alkaloids, ord., 1s. ...	4 6		5 6	Monsanto Chemicals, ord., 5s. ...	51 6		49
British Chemicals & Biologicals, 4% cum., red. pref. ...	18 6		18 0	Pears, A. & F., 5% deb. stock, irred. ...	115%		115
British Drug Houses, ord., 5s. ...	6 9		6 6	Pest Control, ord., 5s. ...	8 3		8
British Emulsifiers, 2s. ...	6 6		6 6	Potter & Clarke, ord., 1s. ...	2 6		2
British Glues & Chemic., ord., 4s.	19 0		17 6	Reckitt & Sons, ord. stock ...	101 3		100
British Industrial Plastics, ord., 2s.	4 9		4 9	Rolls Razor, pref. ord., 10s. ...	20 0		20
British Optical & Prec. Eng., 5% 90½%	90½%		87½%	Sangers, ord. stock, 5s. ...	21 6		22
British Oxygen Co., ord. stock ...	92 0		90 0	Sanitas Trust ord., 10s. ...	15 0		15
British Xylonite Co., ord. stock	67 6		57 6	Savory & Moore, 5½% 1st red. cum. pref. stock ...	21 3		20
Brotherton & Co., ord. ...	20 0		19 4½	Sherley, A. F., & Co., 8% cum. pref. ord. ...	22 6		22
Burt, Boulton & Haywood, ord.	24 9		23 9	Smith & Nephew Associated Cos., ord., 4s. ...	16 6		16
Bush, W. J., & Co., ord. ...	77 6		77 6	South African Druggists, ord., 5s.	18 9		12
Camwal, ord. ...	20 0		20 0	Southalls (Birmingham), stock, 5s.	40 0		37
Cooper, McD. & Robertson, ord.	23 9		21 10½	Spa Brushes, ord., 2s. ...	3 9		3
Cow & Gate, ord. stock, 1s. ...	2 3		2 3	Stevenson & Howell, ord. stock, 5s.	20 0		20
Cow, P. B., & Co., ord. stock, 4s.	4 0		4 0	Taylor, Cash Chemists, London, 6% cum. pref. ...	22 6		20
Crosfield, J., & Sons, 5% cum. pre-pref. ...	23 1½		22 6	Taylor, Cash Chemists, Trust, 6% cum. pref. ...	22 6		20
Cussons, Sons & Co., ord. stock 2s.	15 0		15 0	Taylor, Drug Co., 7% "A" cum. pref. ...	26 3		25
Distillers, ord. stock, 4s. ...	25 6		17 6	United Glass Bottle, ord. stock ...	68 9		67
Dubarry Perfumery Co., ord., 1s.	3 0		3 0	Veno Drug Co., 12% cum. pref. ord.	27 6		27 6
Dunlop Rubber Co., ord. stock ...	61 3		62 0	Virol, ord. ...	72 6		72 6
Energen Foods Co., ord. 2s. ...	6 6		7 6	Viscose Development Co., ord. stock, 5s. ...	7 6		7 6
Eno Proprietaries, 5½% cum. pref.	18 9		18 9	Vitamins, 1s. ...	3 1½		3 3
Eucryl, stock, 2s. ...	3 9		3 9	Wesley, Harold, 5s. ...	13 1½		15 0
Evans Medical Supplies, ord. stock	31 3		31 3	Whites (Timothy) & Taylors, 7½% cum. pref. ...	30 0		28 9
Field, J. C. & J., ord., 10s. ...	26 3		25 0	Willows Francis Pharmaceutical Products, ord., 2s. 6d. ...	—		3 3
Fisons, ord. stock ...	28 3		28 1½	Willows Francis Pharm. Ptds., 6% red. cum. pref. ...	—		21 9
Fisons, 4½% cum. pref. ...	21 0		21 7½	Yardley & Co., ord., 4s. ...	52 6		31 3
Galloway, P. H., ord., 2s. ...	3 6		3 3	Yardley & Co., 2nd pref. (cum.)	23 3		20 0
Gillette Safety Razor Co. shares (no par value) ...	\$67		\$75 50				
Glaxo Laboratories, ord. stock, 10s.	370 0		430 0				
Glaxo Laboratories, 8% cum. pref. ord. stock, 10s. ...	16 6½		15 11½				
Greeff-Chemicals Holdgs., ord., 5s.	10 4½		9 4½				
Griffiths Hughes Proprietaries, ord.	18 9		20 7½				
Hampshire, F. W., stock, 5s. ...	72 6		23 1½				
Hirst, Brooke & Southon, ord. 4s.	4 3		4 3				
Horlicks, stock, 5s. ...	26 10½		25 0				
Hovenden, R., & Sons, 7% cum. "A" pref. ...	26 3		23 1½				
Idris, "A" ord. ...	28 6		28 9				
Ilford, ord. stock, 5s. ...	23 1½		22 3				

CORRESPONDENCE

Correspondents may adopt an assumed name, but must in all cases furnish their real name and address to the Editor

Purchase Tax on Vitaminised Preparations

SIR,—Lest there should be any misunderstanding as to the attitude of the representative trade organisations "consulted" the Commissioners prior to the issue of the Notice reported on p. 718 of *THE CHEMIST AND DRUGGIST*, November 26, may I, on behalf of my Association, emphasise that "consultation" must not be interpreted as acquiescence in the decisions. It is to be regretted that the Commissioners have, at this date, thought fit to reverse, in respect of vitaminised preparations containing added medicaments in nutritional quantities, a decision that has been operative since purchase tax was first imposed.

Yours faithfully,

J. S. WALMSLEY, *Secretary*,
PROPRIETARY ASSOCIATION OF GT. BRITAIN.
London, W.C.1.

Payment of the Shilling

SIR,—As doctors know more about their patients than chemists, I suggest they should receive the shilling per prescription which they should keep for themselves in addition to their present fee per patient. That would meet their demand for increased fees. Under such an arrangement, others of families with several children would not be asked for the shilling unless they kept on asking their doctor for trivial items. Making a patient pay the doctor one shilling for a tenpenny bottle of aspirin tablets would soon end any "racket" of getting something for nothing. Moreover, the doctors would then have more time to spend on those who were genuinely ill.

Yours faithfully,
S.E.A.

Dividends and Dispensing Fees

SIR,—Many of us believe that chain and co-operative stores block the avenues to young pharmacists owning their own businesses, upset a spread-over economy, and result in economic dictatorship by minority groups in head offices. In pharmaceutical affairs this is particularly harmful, for those in control of multiples and co-ops are dominated solely by the profit motive, and are not interested in the profession of pharmacy. Until chemists are in the same

position as medical practitioners, who do not share their fees with unqualified shareholders, pharmaceutical fees will remain available for the payment of dividends to the unqualified shareholders of these concerns. The dictionary definition of a fee is payment for service rendered, especially professional service. It is obvious that it is not intended for the reward of shareholders, who give no professional service.

Yours faithfully,
A. C. HOSSACK.

Coupar Angus.

Too Many Titles

SIR,—In the article published on p. 770 of the December 3 issue of *THE CHEMIST AND DRUGGIST* (a review by Dr. D. W. Adamson of the antihistamines and related drugs), I am amazed as a retail pharmacist to find no reference to the most popular of those drugs, namely Antistin (Ciba Laboratories, Ltd.). Nevertheless, the number of products mentioned raises again the question whether nothing can be done by any society or group to prevent the multiplication of such analogous titles as Antistin, Anthisan, and now Histanin for virtually the same medicinal agent. Not only are they most confusing to the pharmacist, but with names so closely allied I would doubt if any doctor prescribing them is really clear in his own mind which preparation he really implies or intends.

Yours faithfully,
A. LEONARD HARRIS.

Shoreham-by-Sea.

[The published account of Dr. Adamson's lecture was contributed. The report included no reference to Antistin though we understand, from later information, that the product was mentioned both in the lecture and in discussion.—EDITOR].

Salesmanship. — I watched a pharmacist selling a tooth-brush show a hair-brush, which reminded the customer Fido needed some flea powder and some condition powder, which brought up the subject of vitamins and a sore back, and eventually sold an elastic abdominal support. It took about ten minutes. Where other than in a pharmacy would this occur, or by whom other than a pharmacist could it be accomplished?—A correspondent in the "Canadian Pharmaceutical Journal."

TRADE REPORT

Spot quotations for pharmaceutical chemicals represent the prices for wholesale quantities of standard quality. Prices of crude drugs and essential oils vary as to brand or grade.

28 Essex Street, W.C.2, Dec. 7

THE outstanding feature of the markets during the past week has been increases in home-trade prices of CAFFEINE and THEOBROMINE; the advance is respectively 2s. and 2s. 6d. per lb. for the alkaloids, and reflects increased costs of raw material. Makers of BORAX and BORIC ACID advise reductions in commercial granular grades of these chemicals but other technical grades and pharmaceutical qualities are unchanged in price. Owing to the rise in acetic anhydride the market for ACETANILIDE is firmer. Prices of ASPIRIN are unchanged and a good export call is being received. Most sections of the markets for CRUDE DRUGS have been quiet, although prices have been firmly held in view of current shortages of supplies. AGAR continues firm on the spot for this reason; forward prices, however, are understood to be at a lower level. There are few offers of CASCARA SAGRADA on the spot and little if any CHINESE RHUBARB on the spot, with no supplies of the latter coming forward from origin. A fair business for export has reduced stocks of ERGOT and it is understood that no offers are forthcoming from Portugal at present. IPECACUANHA remains in short supply. OLIBANUM is dearer in the primary market and rather higher prices are now being asked for spot supplies. CHINESE CAMPHOR is tending easier but the synthetic product is dearer by sixpence per lb. MENTHOL remains quiet. A moderate business has been done in ESSENTIAL OILS. EUCALYPTUS continues firm and supplies are rather short on the spot. LEMONGRASS is a steadier market. It is reported that supplies of Dutch SPEARMINT will be coming forward shortly. PATCHOULI is scarce.

U.S. Drug and Chemical Report

New York, December 2

IN the markets for PHARMACEUTICAL and FINE CHEMICALS, ASPIRIN is commanding more attention. TARTRATES are being watched because of reports that the import duty may be reduced. Demand, however, for many seasonal chemicals is still small owing to mild weather conditions. Turnover of wholesalers in the drug trade in September was estimated at \$151 millions, an increase of \$7 millions on the previous month and \$2 millions more than September, 1948. The value of stocks at the end of September was little changed compared with a year ago. In CRUDE DRUGS, prices of KOBÉ AGAR are declining. Spot quotations are now at \$1.90 per lb., and early January delivery is offered at \$1.80 per lb. in original bales. Export duties on several raw materials from India are expected to cause firmer conditions in

markets for a number of ESSENTIAL OILS—following the export duty on pepper, it is reported that India has placed a 10 per cent. duty on sandal wood. Higher prices are asked for PATCHOULI OIL and it is available at less than \$17 per lb. BOIS DE ROSE is also dearer and is now offered \$3.25 per lb.

Exchange Rates on London

Rates at the opening on Wednesday morning were:—

Centre	Quoted	Rate
*Alexandria ...	Piastres to £	97½—97½
Amsterdam ...	Florins to £	10.63—10.
*Bombay ...	Shillings to rupee	1/5½—1/6
Brussels ...	Francs to £	139.90—140.1
Copenhagen ...	Kroner to £	19.32—19.3
Dutch East Indies ...	Florins to £	10.63—10.6
Dutch West Indies ...	Florins to £	5.27½—5.29
*Hong Kong ...	Shillings to \$	1/2½—1/2½
*Israel ...	£1 to £	99½—100½
*Karachi ...	Shillings to rupee	2/1½—2/1½
Lisbon ...	Escudos to £	80.35—80.0
Manilla ...	Peso to £	5.60—5.65
Montreal ...	Dollars to £	3.07½—3.08
New York ...	Dollars to £	2.79½—2.80
Oslo ...	Kroner to £	19.98—20.0
†Paris ...	Francs to £	979—981
*Singapore ...	Shillings to \$	2/4—2/4½
Stockholm ...	Kronor to £	14.47—14.50
*Teheran ...	Rials to £	89.40—91.00
Zurich ...	Francs to £	12.23—12.26

* Free market rates; remainder Bank of England rates.

† Forward francs one franc either side par 1 month.

Pharmaceutical Chemicals

ASPIRIN.—Home-trade price for POWDER is 3s. 5½d. per lb. in 10-cwt. lots and 3s. 7 per lb. in 1-cwt. lots. Scheduled rates per lb. for quantities of 28 lb. and under 1 cwt. are: 4s. 6d. (1-lb. containers) 4s. 5d. (2-lb.); 4s. 4½d. (4-lb.); 4s. 3½ (7-lb.); 4s. 3d. (14-lb.); 4s. 2d. (28-lb). Net one month. Rates per 1,000 for bulk supplies of TABLETS are: Under 5,000 3s. 9d.; 5,000 and over, 3s. 7d.; 10,000 3s. 6d.; 25,000, 3s. 4d.; 50,000, 3s. 3d. 100,000, 3s. 2d.; 250,000, 3s. 1½d.; 500,000 3s. 1d.; 1,000,000, 3s.

BENZOCAINE. — Home-trade prices are unchanged at from 50s. to 52s. per lb.

CAFFEINE.—Makers announce price increases with effect from December 7. ALKALOID, B.P., is now from 36s. 6d. (1-cwt. lots) to 38s. 6d. (7-lb.) per lb. ALKALOID, anhydrous, from 38s. to 40s. CITRATE, B.P.C., 21s. to 23s.; SODIUM BENZOATE, B.P., 23s. to 25s.; SODIUM SALICYLATE, B.P.C., 24s. to 26s.; SODIUM IODIDE, 30s. to 32s.

CALCIUM GLUCONATE.—Quantities of upwards of 3 cwt. are quoted at 3s. 6d. per lb.; 1 cwt.-2 cwt., 3s. 7d. per lb.; smaller quantities up to 3s. 10d. per lb.

CHRYSAROBIN.—Quotations are from 5s. to 35s. 9d. per lb.

CITRATES.—Prices are as follows:—**OTASSIUM**, 5-cwt. lots, 2s. 10½d. per lb.; 1 cwt., 2s. 11½d.; scheduled prices for quantities of 28 lb. to 1 cwt. are (containers in brackets): 3s., 9½d. (1-lb.); s. 8d. (4-lb.); 3s. 7d. (7-lb.); 3s. 6½d. (14-lb.); 3s. 5½d. (28-lb.); **IRON AND AMMONIUM CITRATE**, B.P., 7d. per lb. more; **ODIUM**, B.P., 3d. per lb. less; powder, 1d. per lb. extra.

CITRIC ACID, B.P.—Steady. Makers' note 1s. 5½d. per lb., less 5 per cent. for 5-cwt. lots, delivered in the U.K.

CREAM OF TARTAR.—Makers' rates for the home trade are unchanged: 10 cwt. lots, 148s. per cwt.; 5-10 cwt., 149s.; less than 5 cwt. and more than 2 cwt., 150s.; 2 cwt., 152s., delivered.

ETHER.—Current rates for the home trade are as follows: **SOLVENT**, B.P., 1 on, 1s. 10½d.; 10 cwt., 1s. 11½d.; 5 cwt., s. 0½d.; smaller quantities, from 2s. 1½d. to 2s. 6d. per lb. **ANÆSTHETIC**, B.P., 1 on, 2s. 5½d.; 10 cwt., 2s. 6½d.; 5 cwt., s. 7½d.; 1 cwt., 2s. 8d.; smaller quantities from 2s. 9½d. per lb. **TECHNICAL** is 1½d. per lb. less than solvent ether. The foregoing prices are for ethers packed in winchesters; in carboys or drums prices are 1½d. per lb. less.

HEXOBARBITONE.—Quotations are in the region of 77s. per lb.

IODOPHTHALEIN.—Quotations are from 2s. 6d. to 60s. per lb., as to quantity.

ISOPROPYL ALCOHOL.—Makers quote 5s. 3d. per gall. for small lots.

MAGNESIUM OXIDE (B.P. LEVIS).—Prices for the home trade (per lb.) are as follows: Containers in brackets, 28 lb. to 1 cwt., 3s. 5d. (1-lb.); 3s. 4d. (2-lb.); 3s. 3½d. (4-lb.); 3s. 2½d. (7-lb.); 3s. 2d. (14-lb.); s. 1d. (28-lb.) per lb. Larger quantities range from 2s. 4½d. to 2s. 6d. per lb. in 28-lb. packages, carriage paid.

METOL.—Steady. Prices per lb. are: 10 cwt., 19s.; 5 cwt., 19s. 6d.; 1 cwt., 20s.; 28 lb., 21s.; 14 lb., 23s.; 7 lb., 24s. Carriage paid in the United Kingdom.

OXALIC ACID.—Prices are steady at about 33s. to 140s. 6d. per cwt., in 1-cwt. kegs. In 5-cwt. casks prices are about 5s. per cwt. less.

PANCREATIN.—Prices range from 12s. to 13s. per lb. for B.P. quality; U.S.P. standard is offered at from 13s. 6d. to 14s. 3d.

PARALDEHYDE.—Rates for B.P. material, are as follows: 5 carboys, 1s. 6d. per lb.; 1 carboy, 1s. 7d.; in winchesters, from 1s. 8½d. to 2s. 0½d. per lb.

PHENACETIN.—Prices range from 5s. to 1s. per lb., according to quantity. Supplies are still difficult.

PHENAZONE.—Prices quoted for British-made and imported material range from 22s. 6d. to 25s. per lb.

PHENOBARBITONE.—Home-trade prices are unchanged at from 35s. per lb. upwards, according to quantity.

PHENYTOIN SODIUM.—Quotations for small quantities are at about 35s. per lb.; the base is available at the same price.

PHOSPHATES.—Steady. Makers' rates per lb. are as follows:—**SODIUM**, B.P., 1 cwt., 6d.; 28 lb., 7½d. **SODIUM ACID**, B.P., crystals, 1 cwt., 1s. 9d.; 28 lb., 2s. **POTASSIUM**, granular, 4s. 2d.; powder, 4s. 5d. (for 7-lb. lots). **AMMONIUM**, B.P.C., 1 cwt., 2s. 6d.; 28 lb., 2s. 10d. **PHOSPHORIC ACID**, B.P. (concentrated), is from 1s. 2d. to 1s. 3d. in carboys and from 1s. 5d. to 1s. 9d. per lb. in winchesters.

POTASSIUM PERMANGANATE.—Home-trade rates, for B.P. grade (in 1-cwt. drums), are: 1 cwt., 1s. 7½d. per lb.; 5 cwt., 1s. 6½d.; 1 ton, 1s. 6d. Technical (in 1-cwt. drums) is 163s. per cwt.; 5 cwt., 154s. 6d. per cwt.; 1 ton, 149s. 6d. per cwt. Prices are net; carriage paid nearest railway station; drums extra and returnable.

PROCAINE HYDROCHLORIDE.—Prices range from 50s. to 53s. per lb., as to quantity.

ROCHELLE SALT.—Rates per cwt. for powder or granular salt are: 5 cwt., 130s.; 1 cwt., 132s. 6d. Crystal is 2s. 6d. per cwt. more than the foregoing prices. **SEIDLITZ POWDER**, ordinary, is now 103s. 9d. per cwt.; extra strong, 111s. 6d. per cwt.; double strength, 116s. per cwt.

SALICYLIC ACID.—Makers' quotations for 1 cwt. are 2s. 2½d. per lb.; scheduled rates per lb. for quantities of 28 lb. and under 1 cwt., (containers in brackets) are: 2s. 10½d. (1-lb.); 2s. 9½d. (2-lb.); 2s. 9d. (4-lb.); 2s. 8d. (7-lb.); 2s. 7½d. (14-lb.); 2s. 6½d. (28 lb.). Net one month.

SALOL, B.P.C.—Current quotations for quantities of 28 lb. to 1 cwt. are from 9s. to 9s. 4d. per lb., according to pack. Prices for larger quantities are from 7s. 6d. to 8s. per lb.

SODIUM ALGINATE.—Current rates per lb. are unchanged as follows: 7-lb. lots, 7s. 3d.; 28-lb., 7s.; 1-cwt., 6s. 6d.

SODIUM LAURYL SULPHATE.—B.P. material is quoted at about 8s. 6d. to 9s. per lb. for small quantities. **EMULSIFYING WAX** is available at 6s. to 6s. 9d. per lb.

TARTARIC ACID, B.P.—British makers' current scales are:—10 cwt. and over, 170s.; 5-9 cwt., 172s.; 2-4 cwt., 174s.; 1 cwt., 176s. per cwt., delivered.

THEOBROMINE.—Makers announce price increases with effect from December 5. **ALKALOID**, B.P.C., is now from 37s. (1-cwt. lots) to 39s. (7-lb.) per lb. **CALCIUM SALICYLATE** and **SODIUM SALICYLATE**, B.P., are 21s. 6d. to 23s. 6d. per lb.; **SODIUM BENZOATE**, is 23s. to 25s. per lb.

Crude Drugs

ACONITE.—Indian, on the spot, quoted at 260s. to 265s. per cwt.; *napellus*, 3s. 11d. to 4s. 3d., duty paid, nominal.

AGAR.—Kobé No. 1 strip is quoted at 16s. per lb., duty paid; in bond, 15s. No. 2 is 14s. 9d. per lb., duty paid.

ALOES.—Cape Aloes on the spot is quoted at 117s. 6d. per cwt.; forward, 108s., c.i.f. Curaçao is quoted at from 230s. to 240s. per cwt., spot.

ANTIMONY.—Prices for metal are: 99.6 per cent. regulus, £195; 99 per cent., £185 per ton, delivered.

ARECA NUTS.—Spot offers are from 57s. 6d. to 60s. per cwt.

ASAFETIDA.—Persian block on spot is offering at prices from £14 10s. to £24 per cwt., as to grade.

BALSAMS.—*Canada* is quoted at from 14s. 9d. to 17s. 6d. per lb. *Pará Copaiba* is 8s. per lb., duty paid; 7s. 6d. in bond. *San Salvador Peru* is from 6s. 3d. to 6s. 6d. per lb., duty paid. *Tolu*, nominal.

BELLADONNA.—Jugo-Slav root (0.45 per cent.), 4s. 3d. per lb., duty paid; Italian root, quoted at from 3s. 6d. to 3s. 9d. per lb., duty paid. Jugo-Slav herb is offering at 6s. 6d., duty paid. English leaves, quoted at 4s. 6d. per lb.

BENZOIN.—Sumatra block on the spot is from £18 10s. to £19 10s. per cwt., as to holder. Siam almonds are offered at from 20s. to 21s. per lb., spot.

BISMUTH.—Basic rate for metal is 14s. 6d. per lb., in minimum 5-cwt. lots.

BLACK HAW.—Root bark is quoted at 4s. 9d. per lb., duty paid. spot London.

BUCHU.—Market remains quiet. Short rounds, on the spot, are 3s. 5d. per lb.; shipment from 3s. 3d. to 3s. 4d., c.i.f.

CALABAR BEANS.—Steady. Spot quotations are from 10½d. to 11d. per lb.

CALUMBA.—Natural unwashed sorts are quoted at from 75s. to 80s. per cwt., spot.

CAMPHOR.—Chinese tablets (½-oz.) are quoted at from 6s. 6d. to 7s. per lb., duty paid; refined natural powder (B.P.) is quoted at from 5s. 6d. per lb., duty paid. spot London, and B.B. grade may be had at 5s., duty paid. English sublimed flowers (B.P.) are 5s. 9d., and English synthetic, 5s. 6d. per lb., in 1-cwt. lots.

CANTHARIDES.—Quiet. Chinese on spot is quoted at from about 6s. 6d. per lb.

CAPSICUMS.—African on spot is 125s. to 180s. per cwt., as to quality.

CASCARA SAGRADA.—A parcel of 1949 bark is offered at 275s. per cwt., duty paid, spot London; 1947 peel is offering at 280s., duty paid.

CASCARILLA.—Quills are quoted at 1s. 5d. and siftings at 1s. 3d. per lb., spot.

CHAMOMILE FLOWERS.—Belgian on the spot are 3s. 4d. per lb., duty paid.

CHERRY BARK.—Thin natural, on spot, is quoted from 2s. per lb., duty paid.

CLOVES.—Zanzibar on the spot is 1s. 5d. per lb.; December-January shipment, 1s. 4d., c.i.f. Madagascar in bond is 1s. 5d. per lb.

COCOA BUTTER.—Maximum control price is 4s. 4½d. per lb., delivered.

COD-LIVER OIL.—In returnable drum medicinal oil (B.P.) is from 11s. to 12s. per gall., according to quantity; veterinary grade is 1s. per gall. less than B.P.

COLCHICUM.—Corms on spot nominal, quoted at 5s. to 6s. per lb., as to seeds, 13s. per lb., spot, duty paid.

COLOCYNTH.—White pulp (B.P.) on spot is 2s. per lb.; to arrive, 1s. 9d., landed.

DIGITALIS.—English leaves, from 2s. 3d. per lb.; powder, B.P., 5s. 9d.

DRAGONS BLOOD.—Steady. Singapore boiled No. 1, £60 per cwt., spot; No. 2, £45 per cwt.; No. 3, £35, ex warehouse.

ELEMI.—An easy market. Manila 1 is quoted at from 1s. 10d. per lb., spot.

ERGOT.—Quotations for Portuguese are from 22s. 6d. to 24s. per lb., spot.

GAMBOGE.—Siam pipe is offered at £ per cwt., duty paid; powder, 11s. per lb.

GENTIAN.—French natural on the spot is quoted at from 70s. to 72s. 6d.

GINGER.—Steady. African is quoted 350s. per cwt., spot. Jamaican, No. 355s., sellers, spot.

GUAIACUM RESIN.—Spot quotations are at 3s. 6d. per lb.

GUM ACACIA.—Kordofan cleaned sort on the spot, offered at 88s. per cwt., spot London or Liverpool; December shipment 82s. 6d., c.i.f. New-crop, January-February shipment, 84s., c.i.f. Bleached gum, 125s. spot. Talha is 50s. per cwt., on spot shipment, 45s., c.i.f.

HENBANE.—B.P. herb (*niger*) on spot is quoted at 4s. 3d. per lb.

HONEY.—Prices (per cwt.) for manufacturing honey are as follows: 1 cwt., 96s. 5 cwt., 91s. 10 cwt., 87s. 20 cwt., 84s. packed in 60-lb. drums, carriage paid. Refined repacked honey is available at the following rates per cwt.: In 56-lb. tin 100s.; 28 lb., 115s.; cases of four 7-lb. 130s., carriage paid.

IPECACUANHA.—Nicaraguan on the spot is nominal at 42s. 6d. per lb.

IRISH MOSS.—White carrageen is on offer at 85s. per cwt., spot.

KARAYA.—No. 1 gum on spot is quoted at 255s. to 290s.; No. 2, 215s. per cwt., spot. No. 3, 180s., spot. A firm market.

KOLA NUTS.—African quarters, 6d. per lb.; halves from 2½d. to 4½d. Jamaican washed halves, 3½d. per lb.

LANOLIN.—B.P. anhydrous is £120 per ton; hydrous, £90. Superfine anhydrous is quoted at £126 per ton.

LIQUID PARAFFIN.—Prices of B.P., heavy, are unchanged. In 40-50 gall. loan drums, 8s. 7d. per gall.; in 5-gall. free drums, 8s. 9½d. to 7s. 10d.; in 10-gall. free drums, 8s. 5½d.

LIQUORICE.—Anatolian natural root on the spot is from 55s. per cwt.; shipment, 60s. 6d. to 51s. 9d. Syrian natural is short at from 40s. to 45s., spot; cut, 55s. per cwt. Turkish block is quoted at from 30s. to 230s., duty paid, according to older; Turkish stick is from 300s., duty paid. Italian stick is from 270s. to 475s. per cwt., duty paid, as to grade.

MACE.—West Indian blade is offered at 6s. per lb. on the spot; prices of pickings are from 2s. to 5s., as to quality.

MENTHOL.—Quiet. Brazil is quoted at from 82s. 6d. per lb., spot, duty paid, and 79s. per lb. in bond; December-January shipment, 86s., c.i.f. Chinese November-December, 85s., c.i.f.

OLIBANUM.—Firm. Best drop is quoted at from 210s. to 215s., and medium drop at 190s.; peas are 200s., fair garblings, 125s. and siftings, 86s. per cwt., spot.

SEEDS.—Turkish ANISE now landing is quoted at 165s. per cwt., in bond London. No Cyprus to be had on spot; the latest quotation for shipment is 190s. per cwt., c.i.f., London. It is reported that the crop is almost exhausted in Cyprus.

PARAWAY.—Dutch, quiet and unchanged at 112s. 6d. per cwt., duty paid, spot London. **CELERY.**—Market remains firm. Indian on spot is quoted 1s. 5d. per lb., in London. No sellers of French at present, but 1s. 10½d. per lb., duty paid, has been quoted.

CORIANDER.—Market continues firm. Morocco for shipment has been sold at 70s. per cwt., c.i.f., London. On the spot, 85s. per cwt., duty paid and 80s. per cwt., in bond, is quoted. Small quantities of Argentine available at 75s. per cwt., duty paid for whole seed, and 70s. per cwt., duty paid, for split seed.

CUMIN.—Market inactive. Cyprus is nominal at 185s. per cwt., on spot; Morocco, 165s. per cwt., duty paid, and 60s. per cwt., in bond, spot London or Liverpool; Indian is 155s. per cwt., spot London or Liverpool. **DILL.**—Market firm. Indian is 62s. 6d. per cwt., spot London. For shipment, 4 per cent. admixture quality, is quoted at 57s. 6d. per cwt., c.i.f., London.

FENNEL.—Indian on spot has been sold at 70s. per cwt., and sellers are now asking 72s. 6d. per cwt. For shipment, 68s. 6d. per cwt., c.i.f., is quoted. **PENUGREEK.**—Market remains firm. Indian is 62s. 6d. per cwt., spot London; Morocco is 57s. 6d. per cwt., duty paid, and 52s. 6d. per cwt., in bond, spot London or Liverpool.

SHELLAC.—An easier market. F.O.T.N., pure, is 335s. per cwt., spot; F.O. Standard, 345s.; fine orange, 365s. to 410s.

Essential and Expressed Oils

ANISE.—A firm market. Chinese star is now quoted at from 8s. 6d. to 8s. 9d. per lb. for drums and from 8s. 9d. to 9s. in tins in cases, spot.

BAY.—West Indian on spot is quoted at from 6s. 6d. to 7s. 6d. per lb.

CADE.—Spanish oil, B.P., on the spot, is offered at from 3s. to 4s. per lb.

CAJUPUT.—B.P. is quoted at from 16s. to 18s. per lb., spot.

CAMPHOR.—White oil on spot is quoted at from 2s. 3d. to 2s. 5d. per lb., duty paid; brown oil, from 1s. 7d. per lb., spot, duty paid.

CANANGA.—Spot quotations are from 26s. to 28s. per lb.

CASSIA.—Nominal on the spot; afloat is quoted at 16s., c.i.f.

CITRONELLA.—Ceylon is nominal at 7s. 6d. per lb., spot; December-January shipment, 6s. 3d., c.i.f. Java from origin is quoted at 14s. 6d. per lb., c.i.f.; from Holland, 17s. to 18s., c.i.f.

CORIANDER.—Steady. English-distilled is quoted at about 260s. to 280s. per lb. Dutch is easier at from 180s. to 185s., duty paid; Russian, 200s., duty paid.

DILL.—English-distilled oil is quoted at from 65s. per lb. for B.P. quality. Indian is offered at 18s. 6d. per lb., spot. Dutch is from 51s. to 54s., landed, duty paid.

EUCALYPTUS.—70-75 per cent. (B.P.) is firm at from 4s. 6d. to 5s. 6d. per lb., spot; 80-85 per cent., 4s. 9d. to 5s. 9d. per lb., spot.

GINGER.—Quotations for English-distilled are from 95s. to 230s. per lb., as to grade and seller. Dutch is firmer at 89s. to 93s. per lb., duty paid.

JUNIPER BERRY.—Imported oils are quoted at from 19s. to 25s. per lb., duty paid; English-distilled, first quality, is offered at from about 75s. per lb.; B.P.C. oil is 27s.

LEMONGRASS.—Quiet. Spot quotations are from 14s. 6d. to 15s. 9d. per lb.; December-January shipment, 14s. 6d., c.i.f.

PALMAROSA.—Spot quotations are from 37s. 6d. per lb.; shipment, 40s., c.i.f.

PATCHOULI.—Singapore is nominal at 105s. per lb., spot; no forward offers.

PEPPER.—Java, from black pepper, is firm at from 308s. to 325s. per lb., duty paid.

PEPPERMINT.—English-distilled is offered at from 200s. to 225s. per lb. Chinese (dementholated *M. arvensis*) is quoted at from 41s. to 44s., c.i.f. Italian "Mitcham," for shipment, 40s. per lb., c.i.f.

SPEARMINT.—Dutch, for January delivery, is quoted at from 35s. to 40s. per lb., duty paid, according to quantity.

TEASEED.—Refined deodorised is offered at 21s. 3d. per gall., ex refinery; forward delivery, 21s., ex refinery.

COMING EVENTS

Monday, December 12

- MERSEYSIDE BRANCH, NATIONAL ASSOCIATION OF WOMEN PHARMACISTS. Visit to Playhouse Theatre.
- NOTTINGHAM BRANCH, PHARMACEUTICAL SOCIETY, Medico-Chirurgical Society, 64 St. James' Street, Nottingham, at 7.30 p.m. Dr. W. A. R. Thomson on "Newer Antibiotics."
- SOUTH SHIELDS PHARMACISTS' ASSOCIATION, Dorset Café Lounge, Ocean Road, South Shields, at 7.15 p.m. Ladies night.

Tuesday, December 13

- LEICESTER BRANCH, PHARMACEUTICAL SOCIETY, Boots Café, Gallowtree Gate, Leicester, at 7.30 p.m. Mr. C. O. Ball on "The Workings of the Leicester Executive Council."
- NORTH LONDON PHARMACEUTICAL ASSOCIATION AND BRANCH, Beale's Restaurant, Holloway, N.7, at 7.45 p.m. Dr. H. Davis (chief pharmacist, Ministry of Health) on "Pharmaceutical Aspects of the National Health Service."
- ROMFORD BRANCH, PHARMACEUTICAL SOCIETY, The Bell, Upminster, at 7.30 p.m. Film, "Manufacture of Glass Bottles," presented by Dr. E. Preston.
- PRESTON PHARMACISTS' ASSOCIATION, Bull and Royal Hotel, Preston, at 7.45 p.m. Showing of films: "Charlie's March of Time," "Take Thou," "Your Children's Sleep" and "Round Figures."
- WALSALL BRANCH, NATIONAL PHARMACEUTICAL UNION AND PHARMACEUTICAL SOCIETY, Pattison's Café, The Bridge, Walsall, at 7.30 p.m. Film show, "War under the Microscope," "Penicillin," and "The Control of Infection in Surgical Dressings."

Wednesday, December 14

- SCOTTISH DEPARTMENT, PHARMACEUTICAL SOCIETY, 36 York Place, Edinburgh, at 7.30 p.m. Messrs. H. T. Thomas and J. G. Nicoll on "The Role of the Retail Pharmacist in Rendering Pharmaceutical Service to Local Hospitals."
- LIVERPOOL CHEMISTS' ASSOCIATION AND BRANCH, Adelphi Hotel, Liverpool, at 7.30 p.m. Supper and dance in aid of the Benevolent Fund. Tickets 21s. Evening dress or H.M. uniform.
- LIMERICK CHEMISTS, Cruises Hotel, Limerick. Dance. Tickets 12s. 6d. from Mr. P. J. Hogan, 45 Upper William Street, Limerick.

Thursday, December 15

- MANCHESTER PHARMACEUTICAL ASSOCIATION, JUNIOR BRANCH, Geographical Society's Hall, The Parsonage, Manchester, at 7.30 p.m. Films by Imperial Chemical Industries, Ltd.
- SLOUGH BRANCH, PHARMACEUTICAL SOCIETY, The Olive Branch, Windsor, at 8 p.m. Christmas party.
- CHEMICAL SOCIETY, Burlington House, Piccadilly, London, W.1, at 7.15 p.m. Reading of original papers will include "Some Physico-chemical Properties of Acridine Antimalarials with Reference to their Biological Action," by Messrs. Hammick and Mason.

Friday, December 16

- LONDON BRANCH, GUILD OF PUBLIC PHARMACISTS, 17 Bloomsbury Square, London, W.C.1, at 7 p.m. Dr. H. C. Beccle on "Drug Therapy in Psychological Medicine."

TRADE MARKS

(From the "Trades Marks Journal," November 23)

For non-medicated toilet preparati (3).—"VASELINE BRAND HAIR TONIC" label device; by Chesebrough Manufacturing Co., Ltd., London, N.W.10; 676,5 "GAY DECEIT"; by F. W. Hampshire Co., Ltd., Derby; 680,705. "LENTHE STARS"; by Lenthéric, Ltd., London, W. 680,857. "BREATH OF EVEN"; by Pot & Moore, Ltd., London, E.10; 681,1 "BANDBOX"; by Ashe Laboratories, L. London, S.W.1; B682,022.

For non-medicated hair preparations —"PLANTONEST"; by Eugene Antho Plant, London, N.13; 680,828.

For non-medicated after-shave loti (3).—"SHAVOTONE"; by Gorney, L. Manchester; 682,012.

For pharmaceutical preparations (5). "SALACRIN"; by Nicholas Proprieta Ltd., South Melbourne; B654,0 "TEROPTERIN"; by American Cyanan Co., New York; 665,015. "INTRASEPT" by Riddell Products, Ltd., London, W. 678,098. "TRICHEM"; by John Adar Barrow-in-Furness; 679,772. "INFAN ASPS"; by M. Whitfield, Ltd., Horde 680,203. "ITSOGEN"; by Martin Phill & Co., Ltd., Bagworth; 681,169. "DEC DERM"; by Duncan, Flockhart & C. Edinburgh; 680,881. "KENPIER"; by Kenneth Pierson (Great Britain), Lt. London, S.W.1; 681,504.

For infants' and dietetic foods (5).—S houette of mounted trumpeter, by V. kade's Fabrieken, N.V., Zaandam; 660,92

For antibiotic products containi chlorine (5).—"CHLOROMYCETIN"; Parke, Davis & Co., Detroit; 667,605.

For preparations for use as deodoran etc. (5).—"HEED" in distinctive letterin by the Pharm-Craft Corporation, Ne York; 678,018.

For aspirin (5). — "ANGIERS JUNIOR ASPIRIN" on label device; by the Angi Chemical Co., Ltd., London, E.C. 678,632.

For photographic apparatus (9).—"DIMPLE"; by Dimple Photo Product Birmingham; 662,392.

For electro-medical curative apparatu (10). — "HEALAFLOM," "HEALAMAS "HEALAPORT"; by Heala (Electro-Med cal), Ltd., London, N.W.6; 680,244-46.

For infants' feeding bottles, surgic gloves, etc. (10). — "MAGNOLIA "MIMOSA"; by J. Allen Rubber Co., Ltd Cheltenham; 680,693-95.

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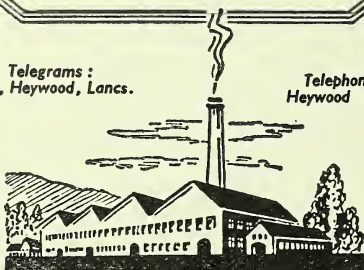
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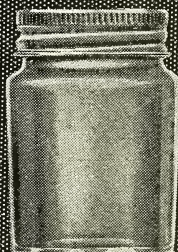
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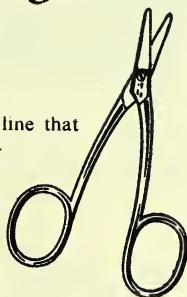
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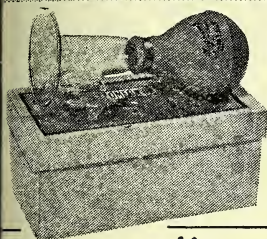
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Registered Offices:
74 VICTORIA STREET
LONDON, W.1

WEYSIDE ROAD
GUILDFORD
SURREY

Telephone - GUILDFORD 3420

Dear Mr Pharmacist

We bring to your notice a most attractive and profitable side-line

Without cost to yourself, or any capital outlay whatever, we can supply you with a High-Class Lending Library of all that is best in Modern Fiction.

Based on a simple rental plan, our charges are very modest, while you are at liberty to arrange your own loan charges and subscription rates.

Many multiple concerns have for years found the Lending Library a most profitable and attractive Department. Why not avail yourself of our Service and be in a position to improve your business and meet competition?

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Yours sincerely,

SCOTT'S LIBRARIES Ltd.

WILES VITAMIN dog food

IS FULL OF GOODNESS

and it sells on sight

This quality dog food contains concentrated meat, liver and fish. It is packed in handy airtight tins, attractively labelled in red and black, and specially designed for easy stacking and display.

Bright attractive showcards and window bills are now available.

Order your supplies of Wiles Vitamin dog food through your usual Wholesaler.

Sole Selling Agents:

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RETAIL PRICE

The finest dog food in the world



C. Olley & Sons Ltd.
EST. 1844

**CORKS,
STOPPERS,
ETC.**

Telephone CAMPERDOWN STREET LONDON, E.1 Royal 4922/3

FOR

PATENTS

DRESSINGS

PILLS & TABLETS

DANGEROUS DRUGS

DRUGS & GALENICALS

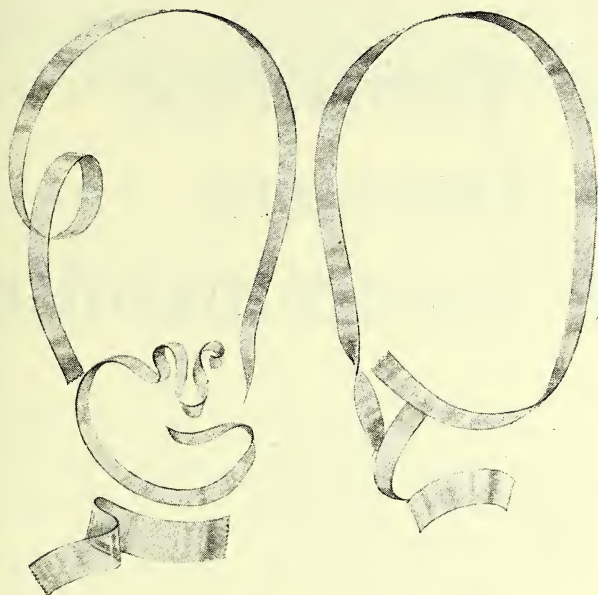
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SMITH & HILL

(Chemists) Ltd.

SIDNEY ST., SHEFFIELD, 1

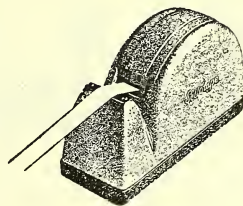
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Sellotape Guards . . .

Bottle labels protected with Sellotape, stay clean and legible. It's quick, neat and so easy to use—just a touch and it sticks! What could be simpler? Use Sellotape for your "over the counter packages". It's quicker than string and just as strong—looks so much better, too!

Sellotape is available in handy dispensers for resale to the public. Backed by National Advertising and striking display material, they really SELL! So make sure your stocks are adequate.



WRITE OR PHONE FOR FULL DETAILS, NOW!

SELLOTAPE

SELF-ADHESIVE
CELLULOSE TAPE

The Dentifrice the Dentists are recommending

Every day more and more Dentists are recommending their patients to use Amm-i-dent, the toothpowder that really helps to prevent decay.

Amm-i-dent is the only dentifrice manufactured in England by special arrangement with the Eastern Graduate Research Foundation of N.Y.

It will pay you to display it.

DISTRIBUTORS :

Fassett and Johnson, Ltd., 86 Clerkenwell Road, London, E.C.1

Amm-i-dent

The Ammonium Ion Tooth Powder

MADE AND GUARANTEED BY THE

WERNET DENTAL MANUFACTURING CO.

(Branch of Stafford Miller, Ltd.)

MILL GREEN, HATFIELD, HERTS.

Tel. No. : HATfield 3221



Care of the breasts

Instructions issued by a Maternity Hospital to mothers, on discharge, include the following advice:—

“After feeding, the nipples should be dried carefully and smeared with a little ‘Dettol’ Ointment (not Dettol Cream or Dettol solution) and protected with a small piece of CLEAN LINT. Before the next feed the ointment should be wiped off”.

Where there are signs of hardening of the nipples, richly emollient ‘Dettol’ Ointment will be found to have a welcome softening effect. Matrons of many hospitals report that where cracking has actually occurred, this actively antiseptic ointment is remarkably successful in promoting rapid healing.

You may confidently suggest

‘DETTOL’ OINTMENT
BRAND

Soothing and actively antiseptic

RECKITT & COLMAN LTD., HULL & LONDON.
(PHARMACEUTICAL DEPT., HULL)

*Infants Feeding Bottles -
Upright & Double-ended*

another **W** product

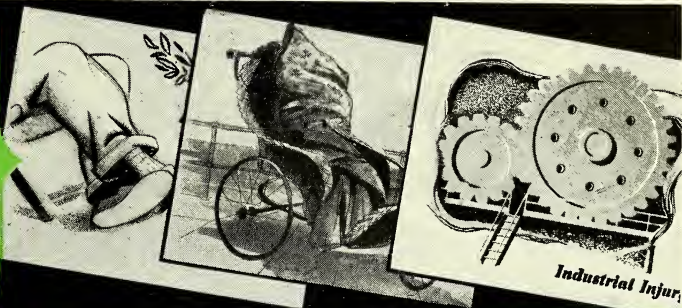


The double-ended Feeder is supplied spare, or packed in carton with Teat, Valve and Brush, the Upright Feeder, spare only. Our quality and workmanship is unrivalled, having specialised in the production of Feeding Bottles for over 100 years.

WOOD BROTHERS

GLASS CO LTD OF BARNLEY IN YORKSHIRE

EVERY WEEK
The Professions
are informed
and reminded



EVERY DAY
your Public
read
the story

REMEMBER
THEM OF THE
PRODUCT on
your COUNTER
and in your
WINDOW



TRADE TERMS

Anadin retails at 1/8 for 20, 3/4 for 50, including purchase tax. The trade price for 20s is 12/- per dozen + 4/- purchase tax, and for 50s 24/- per dozen + 8/- purchase tax.

FULL CO-OPERATION DISCOUNTS
AVAILABLE ON ANADIN IF IN-
CLUDED IN I.C.C. PARCELS.

12½% ON PARCELS OF £10 AND OVER
10% ON PARCELS OF £5 AND OVER

ANADIN

Trade Mark

PRODUCT OF THE INTERNATIONAL CHEMICAL CO., LTD., CHENIES ST., LONDON, W.C.1

*The
Complete Service*

**WASHED AND
STERILIZED
READY FOR USE**



FITTED
KORKALITE,
MOULDED OR
ALUMINIUM CAPS



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**UNITED GLASS BOTTLE
MANUFACTURERS LTD.**

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Tel.: GERRARD 8611 (15 Lines) Grams: UNGLABOMAN, LESQUARE, LONDON

*Increase
your
Toilet
Sponge
Sales
with-*



Spontex
SPONGES

CONTAIN NO RUBBER

A NEW ...

Wider Market

ou can do much
igger business
toilet sponges
hen you offer

Spontex. These high quality sponges, in attractive colours at attractive prices, are being bought by people who have not been customers before. They offer you completely new sales opportunities. Order Spontex Sponges in assorted colours to take advantage of their unique display possibilities. Enquire through your usual supplier or in case of difficulty write to the address below. (*Showcard on request*).

In Great Britain by:—

WELLS LTD., WOLDHAM ROAD, BROMLEY, KENT. Tel: RAvensbourne 2641

OVAL TOILET SPONGE (No. 33)
In four delightful colours: natural yellow, blue, green and pink. Retailing at **2/9d.** including purchase tax.

SPONTEX BATH SPONGE (No. 44) in the same colours. Retail price **3/8d.** including P.T.

SPONTEX BABY SPONGE
Extra fine, extra soft. In natural yellow, blue and pink. Beautifully wrapped. Retail price **2/5½d.** including P.T.

SPONTEX COSMETIC SPONGE
Retail price **7½d.** including P.T.



*Remind them
to buy by
displaying*
GEORGE BELL'S
Blood Salts

Give George Bell's Blood Salts, for dogs, prominent window and counter display.

This will mean more sales and profits for you. The packs make good displays, but if you require further display material, please write:—

BELL & SONS, LTD.,
18, SILVERDALE WORKS,
LIVERPOOL, 13

S.C.P.9

Clean food means good health



The POROSAN Skin Food Bag is the modern Hygienic way of keeping food fresh and clean. Coming in handy sizes, they are ideal when shopping, storing food and for packed lunches.

Strong and safe, they are made from a transparent non-toxic material.

Just rinse out after use and use over and over again.

As nationally advertised

Retail prices:

6½" × 5"...1/3d. 8½" × 12"...2/6d.

8½" × 6½"...1/9d. 12" × 15"...4/6d.

From your usual wholesaler or Porosan, Ltd.

**porosan skin
food bag**

POROSAN Ltd. 4-5 Warwick Court, London, W.

*Windows To-day
need HOKON display*



... and not windows alone
The gleaming chromium of Hokon Display Fittings, with their glistening hygienic glass shelves, instantly adapt to varying heights and re-arrangements are an investment which will yield big dividends in goodwill and increased service.

Let us send you fullest particulars of these, the latest development in Display Fittings.

HOKON

CHURCH & CO (Fittings) Ltd.
16 The Oracle • Minster St. • Reading

G. O. WOODWARD & CO. LTD.

MANUFACTURING CHEMISTS

Manufacturers of
COMPRESSED MEDICINAL TABLETS
SPECIALISTS IN THE PREPARATION OF
TABLETS TO CUSTOMERS OWN FORMULÆ

**MODERN
PLANT**



**PROMPT
DELIVERY**

QUALITY AND ACCURACY IS GUARANTEED

All B.P., B.P.C. & N.F. tablets stocked

Home and Export Enquiries Invited

G.O. WOODWARD & CO. LTD.

144-146 LARKHALL LANE, CLAPHAM, LONDON, S.W.4. Phone: Macaulay 4375

More than Half a Million

*users are asking for refills—others
require new Ozonol Cabinets*

Stock to meet the ever-increasing demand and regular
repeat business stimulated by first-class National publicity.

OZONOL Air Purifier complete:

Retail—5/10d. Trade—42/- per doz. + P.T.

REFILLS: Retail—2/- Trade—18/- per doz. TAX FREE

OZONOL

**AIR
PURIFIER**

Popular since 1927

Order from your wholesaler or direct from the manufacturer

OZONOL LABORATORIES (1930) LTD. New Wharf Rd. LONDON, N.I. TERminus 3727 & 6660



"Winter Photography"

means ALL YEAR ROUND

Sales

NEW D20 CORONET BOX CAMERA

*now available for the home
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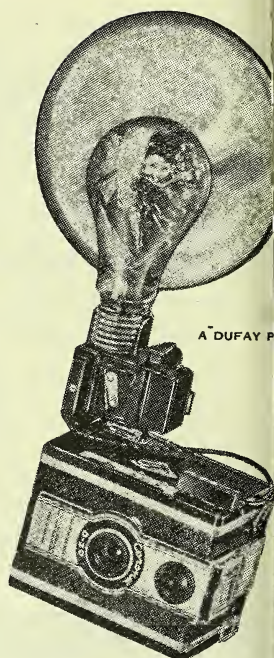
BOX CAMERA 43/4 Tax paid
Retails at only

FLASH UNIT 36/10 Tax paid

DUFAY-CHROMEX LTD.,

14/16 COCKSPUR ST., LONDON, S.W.1

TEL: WHITEHAL



ANITA SANITARY TOWELS

All white soft wool with loop ends
Knitted covering

HYGIENIC
HIGHLY ABSORBENT
BEAUTIFULLY SOFT
ECONOMICAL

M. MERICA & CO LTD.
QUEENS MILL
20 SHAW ROAD, OLDHAM
LANCS.

TELEPHONE: MAIN 5803

If it's Sundries Ritchie's the Name!

Hair Brushes	Dressings of all Types
Shaving Brushes	
Tooth Brushes	Dunlopillo Cushions
Combs	Spontex Sponges
Soap Cases	Ortho-Gynol
Ultra-Violet and Infra-Red Lamps	Ortho-Creme
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Geo B Ritchie

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Daily: 9 am — 5.30 pm Sats 1 pm
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FOR EVERY MONTH OF THE YEAR
"ZEMS"
HERBAL LICORICE TABLETS



**THE BEST MEDICATED TABLETS FOR
COUGHS, COLDS, ASTHMA, BRONCHITIS, ETC.**

Supplies may be obtained



from C.F. Wholesale Houses

ZEMS LTD

718-724 Seven Sisters Road, London, N.15

Telephone: STAMFORD HILL 6658-9



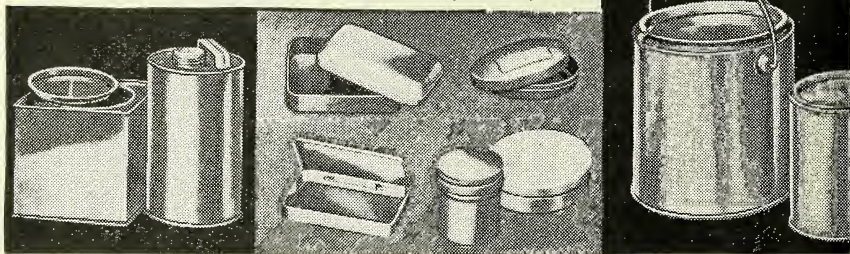
Thinking of Containers...

Why not ask us for
illustrated leaflets and quotations?

Telephone:
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(4 lines)



Percenta Ltd., Percenta House, 314 Gray's Inn Road, London, W.C.1



**IF YOU HAVE
RATS
GIVE
THEM A
BISCUIT-**

... but make sure
it's a VEXTERM
RAT BISCUIT, not
harmful to pets,
human beings or farmyard stock,
when used as directed, but death to
rats and mice. Clean, safe and easy to
handle. From Chemists, Ironmongers
and Stores everywhere. Price 1/6 & 5/9

VEXTERM
READY-BAITED
RAT BISCUITS

Agriculture and Fisheries Licence No. 10184

Manufactured by

BRITISH RODENT EXTERMINATOR CO. LTD.
PRATTS BOTTOM · FARNBOROUGH · KENT

Phone: FARNBOROUGH 849



DISPRI

NEUTRAL SOLUBLE ASPIRIN

Non-acid, non-irritant and palatable

CHEMISTS' SUNDRIES LIMITED
306-308, Station Road, Bamber Bridge, Preston

For "SURGEXA" Registered Brand Super
Crepe Bandages.

DRESSINGS, SUNDRIES and PATENTS
24 Hour delivery service - Phone: PRESTON 854

PHERIBAN TONIC TABLETS

now packed in

2/- sizes 4/3



MACLENNAN BRAND PRODUCTS LTD.
105 RITHERDON ROAD - LONDON - S.V.
Phone: BALham 2447

RADIO TIMES

Christmas shopping window for 7,776,982 families



Fill a Sparklets Syphon with water... charge it with a Sparklets Bulb—and instantly a syphon of fresh "sassy" soda "is yours." You're never without "soda" with a Sparklets Syphon—refilling takes only a few moments. Distinctive... hand-shine... in chromium with red, green or black relief, the Streamline model harmonizes with any surroundings. Price complete with Drip Tray 7d. 9d.

Quotations limited due to export needs. Ask your chemist or stores for particulars or write for illustrated leaflet to SPARKLETS LTD LONDON N.18

SPARKLETS
Refillable SYPHONS

The above advertisement for Sparklets is one of a series now appearing regularly in the Radio Times. With Christmas shopping in full swing, you will find it a profitable suggestion to stock and display this line.

The Radio Times is the weekly shop window for 7,776,982 families, and the audience they have in its entertainment news is reflected in their ready response to its advertisers' announcements.

Stock and display the goods advertised in the

RADIO TIMES

7,776,982 AVERAGE WEEKLY NET SALE FOR THE FIRST SIX MONTHS OF 1949 MEMBER A.B.C.

Advertisement Department, B.B.C. Publications, Broadcasting House, Portland Place, London, W.1.



LANETTE (Regd. Trade Mark since 1930)
of Deutsche Hydrierwerke A.G.) **WAX S**

MANUFACTURED IN ENGLAND

The original product was always imported from
Deutsche Hydrierwerke prior to the war.

Special Reduced Quotations

Ask for booklet, samples, etc.

CYCLO CHEMICALS LTD

Wax Refiners and Chemical Manufacturers

MANFIELD HOUSE, STRAND, LONDON, W.C.2

REPRESENTATIVES IN THE UNITED KINGDOM OF
DEUTSCHE HYDRIERWERKE A.G., DUESSELDORF

For over 60 years
the trade have
relied on the

**PILLS
CAPSULES
& TABLETS**

OF

HOWARD LLOYD

Many young chemists (as their fathers did 30 years ago) are placing all their orders with HOWARD LLOYD. They know that Howard Lloyd give constant satisfaction—in special order or regular bulk supplies.

HOWARD LLOYD & CO., LTD.
LEICESTER

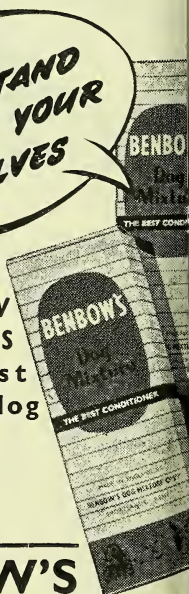
**THEY'LL STAND
OUT ON YOUR
SHELVES**

These are
the **NEW**
OUTER CARTONS
for the most
famous of dog
conditioners

*Order through
your wholesaler*

BENBOW'S

DOG MIXTURE Famous since
10 STATION ROAD, SHORTLANDS, K



FAMOUS FOR OVER 90 YEARS

Fennings'

HOME REMEDIES

the well tried Profit-earning
READY 'SELLERS'

**FENNINGS'
CHILDREN'S
COOLING
POWDERS**

Retail at 1/6 and 3/6 and
in Show Packs of 100's and
240's.

Fennings'
Little Healers

For Coughs, Colds, Bron-
chitis, etc., 1/6 and 3/6.
Also 7/- per Carton of 12
Packets, retailing at 7d.
each.

**FENNINGS'
WHOOPIING
COUGH
MIXTURE**

And for other Coughs
too. Retail at 1/6

**FENNINGS'
RHEUMATIC
TABLETS**

Retail Price 2/6 for
 Carton of 45 Tablets

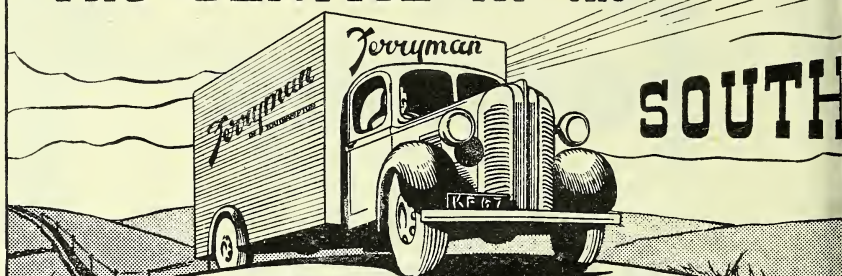
Fennings'
*Fever
Mixture*

per bottle retails at 1/6

Unheralded except for the
usual spate of coughs and
colds, winter makes her
debut and wise families
are already replenishing
medicine chests with Fen-
nings' remedies.
Have you sufficient stocks
for the extra business?
Order now through your
usual wholesaler, or if in
difficulty write to:—

ALFRED FENNINGS • HORSHAM • SUSSEX

The SERVICE for the



Ferryman

OF SOUTHAMPTON

Manufacturers, Distributors, and Exporters
Drugs, Chemicals, Proprietaries, Ethicals and Druggists Sundries

Cables and Telegrams
Ferryman Southampton
Code "Bentleys"

HERBERT FERRYMAN LTD.
Cobden Bridge, Southampton, England

Telephones
75641 (5 lines)

MOSANS PESSARIES

15/- per doz. boxes
any wholesaler

CUTICLE STICKS • SPATULAE OINTMENT LIFTERS APPLICATORS

supplied to the trade
Highest quality at lowest prices

MOULDINGS & SHAPES CO
66 Sprowston Mews, Forest Gate, E.7

INDIA

imports huge quantities of drugs, chemicals, pharmaceuticals, cosmetics, sundries. reach importers, forg. mfrs. representatives and Indian manufacturers (also Pakistan, Ceylon) advertise in CHEMIST & DRUGGIST NEWS. Copy, details free,

31 Hamam St., Bombay. I

3 London Office :—2/3 Norfolk Street, Strand
London, W.C.2. TEMPLE BAR 466

Ask For

W. MELLOR & CO.
(Mossley Ltd.)

SANITARY



TOWELS

UNA MILL M
LANCS

... the all Wool Towels

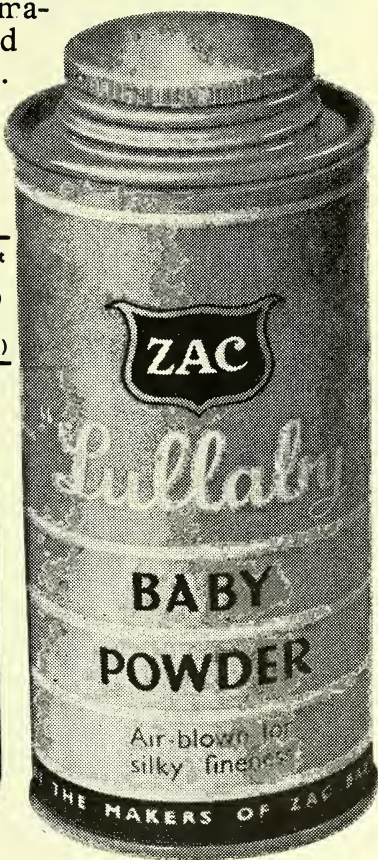
'ZAC-ly right!

For Baby—for Mother—for You—ZAC Baby Cream and ZAC "Lullaby" Baby Powder are exactly right. Right for Baby's delicate skin. Right for Mother who wants the best at moderate price. And right for YOU because these two lines are first-class "creamers"; show you excellent profit (particularly when ordered from other H. H. & Co. packed pharmaceuticals); and are consistently backed by both National and local advertising.

Nationally Advertised

Successful advertisements for ZAC Baby products are currently appearing in all the leading Women's weekly, fortnightly and monthly magazines. Steadily increasing sales are certain. How are your stocks?

Retails at
1/5
(inc. tax)



HUGH, HOSEASON & CO. LTD.
LABORATORIES . MANCHESTER, 19

KEEPS HOTTER — KEEPS COOLER IN A

VACCOnow 5/3
RETAIL

The Vacuum Flask of *quality* finish. With a tested refill of *extra high thermal efficiency*. Spare Refills, Cups and Corks are available.

MADE IN ENGLAND

VACCO SALES LTD. 55 PALL MALL, LONDON, S.W.1

Model
1 Pint
Half I

**TABLETS LOZENGES
CAPSULES & PILLS**

M & W

PESSARIES
of Silver Picrate
N.F., and Tablets
of Digoxin 0.25
mgm. N.F., now
available.

MATTHEWS & WILSON LTD
Established 1894
6-8, COLE ST. LONDON, S.E.1.
Proprietors of **SUDEX** Senna Pods
Telegrams: PILLEOLUM, SEDIST, LONDON. Telephone: HOP 2147-8

Keep a corner of your Counter for
COTSWOLD CREST (Reg. Trade Mark)

A PROFITABLE
XMAS LINE
YOU CANNOT AFFORD TO MIS.



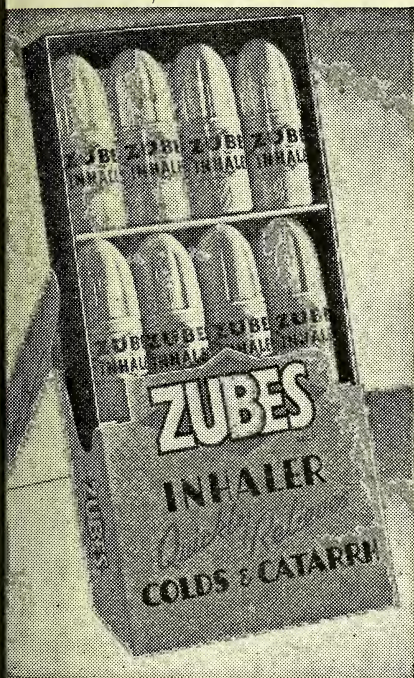
An ideal and inexpensive Christmas
gift which will be in great demand

Each Carton contains **1/6**
Six Packets and sells at

A 3-doz. Parcel costs you 34/6 (carr. pd.) inc. V.

ARTISTIC SHOWCARD AVAILABLE

H. O. LLOYD (Cheltenham) Ltd
1, 10 & 11 Suffolk Parade, Cheltenham, Gl



MADE BY THE MAKERS OF THE FAMOUS ZUBES

HERE IT IS . . . Zubes Inhaler, a completely new product, designed for quick relief of head colds and catarrh. Now introduced by the makers of the famous Zubes Pastilles.

Backed by the well-known Zubes demark, Zubes Inhaler will be a quick-seller and profit-maker. It will be on *your* counter—as soon as you like!—and will reach you in attractive counter display packs that

contain one dozen white screw-cap tubes, price 1/8d each retail.

Demand for the new Zubes Inhaler is certain to be heavy. So you are advised to STOCK UP NOW.



*Quickly Relieves
Colds & Catarrh*

MADE BY F. W. HAMPSHIRE & CO. LTD.,
MANUFACTURING CHEMISTS, SUNNYDALE, DERBY

WELL ADVERTISED!

"New *quick* relief for head colds and catarrh"—this is the theme of the national advertising campaign that will tell the public about the new Zubes Inhaler!

DOLCIN FULFILS ITS PROMISES!

When Dolcin—the special compound of calcium succinate and acetylsalicylic acid—was first launched on this market after its outstanding success in America and Canada, we promised you that this success would be repeated here.

Dolcin is now fulfilling this promise, offering turnover which increases steadily, month after month.

What is the reason for the success of Dolcin? The fact that Dolcin fulfils the promise made to sufferers through our nation-wide advertising campaign that Dolcin would give PROMPT and PROLONGED relief from the painful symptoms of all rheumatic disorders. This fulfilment is reflected every day through:—

- increased sales to hospitals;
- increased prescriptions from doctors;
- increased volume of letters of appreciation from general public

Dolcin offers all-the-year-round sales, and particularly during the winter months, so keep your Dolcin displays in position. It will pay you handsomely to do so—especially with large-scale Dolcin advertising creating new customers every day.

PLEASE ORDER FROM YOUR WHOLESALER

Dolcin 600's (Dispensing) 31/6 per unit plus 10/6 P.T.;

Dolcin 500's 324/- per dozen plus 108/- P.T. (Retail 45/- per bot.)

Dolcin 100's 72/- per doz. plus 24/- P.T. (Retail 10/- per bot.).

DOLCIN

Reg. Trade Mark

Sole Distributors: TAMPAX LTD., Sales Office, 110 Jermyn Street, London S.W.1

Dr. J. Collis Browne's Chlorodyne
and
The Pharmacy and Poisons Act, 1933

Dr. J. Collis Browne's
CHLORODYNE

SALE RESTRICTED TO REGISTERED CHEMISTS

PURCHASER'S SIGNATURE NOT REQUIRED

Sole Proprietors:

J. T. DAVENPORT LTD.
UNION ST., LONDON, S.E.1

P.A.T.A.

Firm Favourites!

with every member of the family . . .

CUTICURA PREPARATIONS

(MEDICINAL AND TOILET)

SOAP . OINTMENT

TALCUM POWDER . SHAVING STICK

These grand aids for skin-care have been giving confidence and satisfaction for over 65 years.

Profits are good — Advertising consistent and widespread. Sales-promoting window displays always at your service.

The following attractive products, each with a universal appeal, will shortly be added to the popular Cuticura Range :

HAND CREAM . BABY OIL

SHAVING CREAM . LIQUID ANTISEPTIC

AFTER-SHAVE LOTION

British Distributors: NEWBERY & PHILLIPS LTD.

203, Victoria House, Southampton Row, London, W.C.1

TELEPHONE : HOLBORN 1564

for

THE POTTER DRUG & CHEMICAL CORPORATION

205-207, Victoria House, London, W.C.1

News from DALMAS of Leicester

New waterproof protection

A NEW-TYPE ADHESIVE STRAPPING

Waterproof . . . has 101 First-Aid uses

DALMAS STRAPPING, a new *waterproof* plastic adhesive with 101 first-aid and other uses, is now in widespread demand everywhere. Because of this, supplies have been greatly increased.



These spools are handy

Dalmas Strapping can be cut to any size, gives 100% protection against water, dirt, grease and acid. That's why it's specially suitable for tiny cuts, sore places, torn finger nails, etc. In particular, it is ideal wherever the fixing of a bandage would be awkward. Dalmas Strapping stretches *all* ways, so edges stick tight while allowing free movement of joints and muscles. Attractive counter sell-outs contain twelve 1/- spools, each 1 inch by 1 yard, price 8/-, or 24 spools, price 16/-. Also in 3-yard lengths, and in 2 inch and 3 inch widths.

DALMAS HEEL DRESSINGS. A new *waterproof* dressing that is specially designed for sore and blistered heels. Handy boxes, price 1/- retail.

DALMAS FINGER-TIP DRESSINGS. A new *waterproof* adhesive protection for cracked, cut or sore finger-tips. Handy boxes, 8/- per dozen, to retail at 1/- each.

DALMAS BOIL PLASTERS. A new *waterproof* protective dressing for boils. Skin-coloured, hardly shows. Handy boxes, price 10d. retail, including tax.

for cuts

Heavy demand for Dalmas First-Aid Dressings

TO meet the nation-wide demand, we further increased supplies of Dalmas the *waterproof* plastic dressing that covers the totally new method of protecting cuts and minor wounds.

Dalmas gives 100% protection against water, dirt, grease and acid. So you only cover the affected place and prevent further trouble! You can actually *with it on*.

Dalmas stretches *all* ways (not just one way). That's why edges stick tight, cannot fray, cannot catch in clothes. What's more, Dalmas lessens infection risk, promotes safe and easy healing.



*Display this box
counter*

Dalmas is skin-coloured, hardly visible. In attractive blue-and-white counter boxes, containing three dozen 1/- boxes each, 8/- per dozen. Special quantity discounts. **PLACE YOUR ORDER NOW!**

A. de St. Dalmas & Co. Ltd.
LEICESTER (Phone: Leicester 6526)

London Depot: 140-142 St. John St.,
(Clerkenwell 3399)

Leeds Depot: 14 Neville Street
(Leeds 29764)

Scottish Agents:
Robert Telford, 29 Waterloo St., Glasgow
(Central 2716)

Chemist & Druggist SUPPLEMENT

HEAD OFFICE: 28 ESSEX STREET, STRAND, LONDON, W.C.2

Telephone: Central 6565 (10 lines)

Telegrams: "Chemicus, Estrand, London"

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ORRIDGE & CO. (Established 1846)

SALES, PURCHASES, VALUATIONS, STOCKTAKING and ASSESSMENTS

Widnes, Cheshire. Pharmacy, old-established increasing turnover. This year will be well £25,000. Net profits £4,400 for income tax. Value of stock, fixtures and book debts approximately £9,500. Total purchase price £11,500, which means only £2,000 for goodwill. Splendid new private house available. Details supplied upon request.

Birmingham. Wholesale sundries business for 11 years. Vendor emigrating. In present hands. Turnover between £10,000 and £11,000 per year. Net profit £1,459 for income tax. £1,500. Total purchase price to include goodwill, stock and fixtures, about £11,500.

Central London. Very old-established surgical instruments and sundries business for disposal. Over last year £17,252. Compact factory on very valuable lease. Stock and fixtures about £5,250. Scope. Small sum only in respect of the goodwill.

4. Bermondsey. Drug store for disposal. In present hands 16 years. Turnover last year £4,223. Net profit £792. Total purchase price required £2,000 S.A.V. Stock estimated to be worth £600 to £700.

5. Bournemouth. Retirement vacancy. Turnover last year £5,460. Accountants' figures. Usual prices obtained. Attractive fixtures with fluorescent lighting. Stock estimated to be £1,150. Comfortable living accommodation—three bedrooms, bathroom, garden, garage, etc. Rent only £130 per annum. Long lease. Purchase price required £3,500 S.A.V.

6. Birmingham, Handsworth District. Business and freehold property for disposal. Scope. Turnover £85 per week cash, plus N.H.S., about 600 per month. Manager employed. Very nice living accommodation—three bedrooms, bathroom, garage. Price required for the valuable freehold, fixtures, fittings and goodwill, £5,000, plus the stock at valuation. A substantial mortgage on the property could be arranged.

184 STRAND • LONDON • W.C.2

Telephone: TEMPLE BAR 9212/3—6340

Telegrams: Orridgechem Estrand, London

Branch Offices: 36 Cannon St., Birmingham, 2.

Phone: Midland 6547

77 High St., Shirley, Southampton.

Phone: Southampton 71708

BUSINESSES FOR DISPOSAL

36 words (min.) then 4d. per word. Box 2/-

TORES. Main road, in S.E. London. Turnover £72 per week. Single-fronted shop. Dispensing equipment. First-class stock. S.A.V. National Business Agency, Ltd., 63-64 Arch Street, E.C.3, Man. 4922. C 1278

55, QUEEN'S ROAD. Main shopping area. Vacant possession shop and base with excellent living accommodation. Suitable chemist. Moderate rent. No. 1. Apply Sole Agents, Messrs. Stone, Marjackson, 27 Thurloe St., London, S.W.7. Kingston 4669 and 2137. C 1267

ESTABLISHED wholesale and retail druggists' excellent opportunity for chemist; lucrative for working proprietor. £7,000-£8,000 per year under elderly management. Low rental. £700, s.a.v. £1,500 approx. All inquiries Oxford Rd., Reading. C 1263

SOUTH COAST. Good main road position. Old drug stores and photographic agency as owner retiring. Outer and inner shops, rooms and bathroom, nice garden. Freehold and stock, all at £3,500 for quick sale. Agents, West & Hickman, 50 Havelock St., Hastings. C 1268

SOUTH COAST TOWN. Well-fitted pharmacy and optical practice. Medium-class family business with large nostrum and counter prescribing sales. Turnover £9,500. Moderate rent, low rates. 21 years' lease granted. Flat available. Full particulars given on receipt of banker's reference. Box C 1273

APPOINTMENTS

18/- per half-inch (min.) and pro rata. Box 2/-

BARNET GROUP HOSPITAL MANAGEMENT COMMITTEE

Applications are invited for the post of ASSISTANT PHARMACIST at Wellhouse Hospital, Barnet. Immediate vacancy. Salary on scale £425 by £25 to £525 per annum. The minimum salary of £425 is linked to age 25. £25 p.a. less for each year below that age. Applications, stating age, experience and qualifications, should be sent to the Medical Director, Wellhouse Hospital, Barnet, Herts. C 5178

HOSPITAL OF ST. JOHN AND ST. ELIZABETH, 60 GROVE END ROAD, LONDON, N.W.8.

Experienced dispenser required to assist pharmacist. Applications, giving details of experience, age and copies of recent testimonials to be sent to the Secretary. C 5135

The Bridge
Walsall, nr. Birmingham

Phone: Walsall 5948

28 Rigby Buildings, 4 Aytoun St.
Manchester 1

Phone: Central 0877

141 Bath St., Glasgow

Phone: Douglas 3168

ERNEST J. GEORGE & CO.

Chemists' Transfer Agents, Stocktakers
and Valuers

329 HIGH HOLBORN
LONDON, W.C.1

Phone: Hol. 7406/7 and 2397

South Coast Representative

G. Loxton Grinstead, M.P.

"Edweina," Oaklands Ave
Saltdean, nr. Brighton, Sus

Phone: Rottingdean 8233

BUSINESSES FOR DISPOSAL

A.1. Birmingham. Old-established business on main road; cash takings approx. £40 per week; good scope; N.H.S. scripts average approx. 500 per month; rent £80 per annum; spacious living accommodation in need of repair; £600 or near offer for quick sale.

A.2. Suffolk. Drug store and mixed business offered for reconversion to pharmacy; was conducted as such until a few months ago. Turnover for last financial year £7,707, and for the first 9 months of the current year £6,388; rural area; living accommodation with garden. Price of business £3,250, including stock and fixtures estimated at £2,000; property can be purchased for £3,000, or lease will be considered.

A.3. Putney Area. Drug store offered for conversion to pharmacy. Turnover for last financial year £3,566. Premises occupy prominent corner position beneath modern block of flats. Price £750, plus stock at valuation (estimated at £800-£1,000). Offers will be considered as a quick sale is desired.

A.4. Kent. Old-established business in import seaside town; turnover upwards of £5,000 annum, and scope should exist for further development; flat available for occupation if required; valuable lease; business must be sold quickly as the first reasonable offer will be accepted. Turnover is estimated at £1,250, and the fixtures etc., at £1,000; excellent opportunity.

A.5. Suburban Essex. Cash drug store offered for conversion to pharmacy. Premises occupy main road position. Turnover for current financial year estimated at £6,200. Lock-up shop. Property can be purchased or 21-year lease will be granted. Total price £2,000, plus stock estimated at £1,000-£1,250. Excellent scope in qualified proprietorship.

A.6. S.E. London. Middle-class suburban pharmacy occupying good trading position. No opposition. Turnover 1948-49, £4,376; gross profit £1,600 approx.; good scope. Total price £2,850, including stock estimated at £1,000.

OFFICIAL VALUERS TO THE N.P.U. BUSINESS PURCHASE FUND

Appointments—Continued

BATH HOSPITAL MANAGEMENT COMMITTEE

MANOR HOSPITAL, COMBE PARK, BATH
PHARMACIST required immediately. Salary £425 x £25 to £525 per annum. National Health Service (Superannuation) Regulations. Applications, stating age, qualifications and experience, together with three names for reference to be forwarded to the undersigned within two weeks of the appearance of the advertisement.

J. LAWRENCE MEARS,
Secretary.

Manor Hospital,
Bath. 1.12.49.

C 5170

SOUTH-EAST ESSEX HOSPITAL MANAGEMENT COMMITTEE

Applications are invited from qualified persons for the post of Pharmacist, in charge, single handed, at St. Andrew's Hospital, Billericay, and to carry out relief duties at other hospitals as required. Salary in accordance with J.N.C. Scales.

The position is subject to the National Health Service (Superannuation) Regulations and the person appointed will be required to pass a medical examination.

Applications, stating age, qualifications and experience, together with the names of two referees to be forwarded to the undersigned within 14 days of the appearance of this advertisement.

G. E. WHYTE,
Deputy Secretary,
Thurrock Hospital,
Stifford Long Lane.

Grays, Essex.
C 5169

BRADFORD. ST. LUKE'S HOSPITAL

ASSISTANT PHARMACIST (female) required. Salary within the scale, i.e., £425 x £25-£525 per annum, if over the age of 23 years. Minimum of the scale will be reduced at rate of £25 for each year below the age of 23. Applications, stating age, qualifications and experience, with names for reference, should be addressed to the undersigned at St. Luke's Hospital.

H. TRUSSON, Secretary
Bradford "A" Group, H.M.

HACKNEY GROUP NO. 6 HOSPITAL MANAGEMENT COMMITTEE HACKNEY HOSPITAL, LONDON, E.10 SENIOR PHARMACIST

Applications are invited for immediate appointment at the above Hospital, J.N.C. scale, subject to any subsequent amendment starting at a point commensurate with experience.

Please apply, enclosing copy testimonial statement of qualifications and salary requirements to Secretary, at the above address.

HAMPSTEAD GENERAL HOSPITAL (ROYAL FREE GROUP), THE GREEN, HAMPSTEAD, N.W.3 PHARMACIST

Applications are invited for the post of Assistant Pharmacist at this hospital, which will be vacant early in December. Candidates should be registered pharmacists. Salary scale £425 x £25-£525.

Applications on the prescribed form to be obtained from the undersigned to be submitted by November 30. Kenneth A. F. Miles, H.C. Governor.

BERDOE & FISH

Chemists' Transfer Agents and Valuers

ARGYLE SQUARE, KING'S CROSS, W.C. 1
(opposite St. Pancras and King's Cross Stations)

anted immediately, good class
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and South Coast. Private clients wait-
ing with cash up to £10,000.

all Valuations and Stocktakings, carried out under
personal supervision of principals.
Published 1870 Phone: TERminus 3574

Appointments—Continued

BOW GROUP HOSPITAL MANAGEMENT COMMITTEE

Applications are invited for the post of
ASSISTANT IN DISPENSING, Apothecaries'
qualifications, at ST. ANDREW'S HOS-
PITAL, BOW, E.3. Hours 39 per week, no
day duty. Salary £270-£350 according
to experience.

There is also a vacancy for a part-time
ASSISTANT IN DISPENSING, 25 hours a
week at Poplar Hospital, E.14. Salary as
above. C 5160

SOUTH MANCHESTER HOSPITAL MANAGEMENT COMMITTEE

PHARMACIST
(Additional Staff)

Applications are invited for the post of
Pharmacist (grade previously known as As-
sistant Pharmacist) at the WITHINGTON
HOSPITAL (1,479 beds), MANCHESTER.
Basic salary of £425 x £25—£525 per an-
num, other awards and conditions of service
in accordance with the Pharmaceutical Whit-
taker's Council. For new entrants into the
National Health Service the minimum of £425
linked with the age of 23, a reduction of
£10 being made for each year below that age.
Applications stating age, qualifications, ex-
perience and the names and addresses of two
references, to be sent to the Medical Superin-
tendent, Withington Hospital, Manchester, 20,
later than December 15, 1949.

C 5138

OTHERHAM AND MEXBOROUGH HOSPITAL MANAGEMENT COMMITTEE MONTAGU HOSPITAL, MEXBOROUGH, YORKSHIRE

ASSISTANT PHARMACIST

Applications are invited for the post of Assistant
Pharmacist at the above hospital (living accom-
modation available in the case of female appli-
cations). Salary in accordance with the J.N.C.
scale. The post is subject to the National
Health Service (Superannuation) Regulations.
Applications, stating age, qualifications and ex-
perience, together with the names of two
references, to be forwarded to the Secretary to
the Committee, Montagu Hospital, Mex-
borough, Yorkshire. C 5130

TORIA HOSPITAL FOR CHILDREN, TITE STREET, CHELSEA, S.W.3

ASSISTANT required in the pharmaceutical
department. Excellent opportunity for young
man or lady to acquire experience.
Apply at once to Chief Pharmacist. C 5181

SOUTH-WEST DURHAM HOSPITAL MANAGEMENT COMMITTEE

PHARMACIST

Applications are invited from Registered Phar-
macists for the appointment of PHARMACIST
at HOLYWOOD HALL SANATORIUM, Wol-
singham, Co. Durham.

Applicants will be responsible for dispensing
and ordering drugs for Holywood Hall San-
atorium, and probably for other small Sanatoria
in the District. The major part of the duties
will, however, be devoted to routine bacterio-
logical and bio-chemical examinations. Phar-
macists interested, but not experienced in
either laboratory or pathological work, will
have the opportunity of a few months' train-
ing under a Pathologist.

Salary £420 rising by five annual increments
of £15 to £495 per annum in accordance with
the conditions of service laid down by the
Joint Negotiating Committee for Pharmacists
plus £50 per annum special payment for lab-
oratory duties.

The post is subject to the provisions of the
National Health Service (Superannuation) Re-
gulations 1947/49 and will be terminable by
one month's notice on either side. Non-trans-
ferable staff will be required to pass a medical
examination.

Forms of application, to be obtained from the
undersigned, should be forwarded to the medi-
cal Superintendent, Holywood Hall Sanatorium,
together with copies of two recent testimonials.

K. G. T. LUXFORD,
Secretary.
C 5184

THE UNITED BIRMINGHAM HOSPITALS (TEACHING GROUP)

Applications are invited for the post of
DEPUTY CHIEF PHARMACIST at the
Queen Elizabeth Hospital from male Pharma-
ceutical Chemists with at least three years'
experience in hospital pharmacy. Interest in
pharmaceutical research will be an advantage.
Salary in accordance with J.N.C. scale plus
£25 per annum for additional duties (i.e.,
£450 rising to £565 per annum at present,
but subject to nationally negotiated terms and
conditions of service).

Apply, giving full particulars of age, train-
ing and experience, together with two recent
testimonials to the Superintendent of the Phar-
maceutical Department, Queen Elizabeth Hos-
pital, Edgbaston, Birmingham, 15. C 5152

WELLHOUSE HOSPITAL, BARNET, HERTS

FIRST ASSISTANT PHARMACIST required.
Salary and conditions in accordance with the
Scheme of Conditions of Service of the Joint
Negotiating Committee. Applications, with
full necessary details, to the Medical Director
at the Hospital. C 5177

WEST MIDDLESEX HOSPITAL, ISLEWORTH, MIDDLESEX

(SOUTH-WEST MIDDLESEX HOSPITAL
MANAGEMENT COMMITTEE)

Applications are invited for the post of
ASSISTANT PHARMACIST. Salary £425 (at
age 23) x £25 to £525 per annum. Commen-
cing salary will depend on previous experience.
Subject to the National Health Service Super-
annuation Scheme. Applications, stating age,
qualifications and experience, with copies of
testimonials, to be sent to the Chief Pharmacist
at the above Hospital. C 14

MINISTRY OF PENSIONS STOKE MANDEVILLE HOSPITAL, AYLESBURY, BUCKS

Applications are invited for the post of ASSISTANT PHARMACIST. Immediate vacancy. Commencing salary for entrant of 23 years and over, £425 per annum rising by £25 yearly increments to £525. Accommodation in hospital if desired on repayment basis. Application form from the Secretary, M.S.2, Ministry of Pensions, Norcross, Blackpool, Lancs. C 5154

SWINDON AND DISTRICT HOSPITAL MANAGEMENT COMMITTEE

Applications are invited from registered pharmacists, with good hospital experience since qualifying, for the post of PHARMACIST in the Swindon group of hospitals, at a commencing salary of £475, rising by increments of £15 to a maximum of £550 per annum. The appointment is subject to the National Health Service (Superannuation) Regulations, and the person appointed, if not already under this scheme, will be required to pass a medical examination.

Application forms may be obtained from the undersigned, to whom they should be returned within 14 days of the appearance of this advertisement.

W. J. LEWIS,
Secretary.

7 Okus Road,
Swindon.

3rd December, 1949.

C 5171

WELLHOUSE HOSPITAL, BARNET, HERTS

ASSISTANT IN DISPENSING required. Applicants should possess the Apothecaries' Hall Certificate. Salary according to experience. Applications, with full necessary details, to the Medical Director at the Hospital. C 5179

WEST HAM GROUP HOSPITAL MANAGEMENT COMMITTEE

FOREST GATE HOSPITAL, LONDON, E.7 ASSISTANT PHARMACIST required. Salary and conditions of service in accordance with J.N.C. (Hospital Staffs). Salary £425 x £25 - £525. Appointment subject to the National Health Service (Superannuation) Regulations. Housing accommodation cannot be provided. Applications, stating age, qualifications, experience, and names of 2 referees, should be sent to the Senior Administrative Officer. C 5096

Vacancies advertised are restricted to persons or employments excepted from the provisions of the Control of Engagements Order, 1947

SITUATIONS OPEN

8/6 for 36 words (min.) then 3d. per word. Box 2/-

RETAIL (HOME)

A VACANCY EXISTS at Allen & Hanburys Ltd., 7 Vere St., for a pharmacist who is prepared to do evening duty. Living accommodation for bachelor and canteen available. Would suit pharmacist contemplating medical studies. Apply Manager, 7 Vere St., London, W.1. C 5075
BIRMINGHAM—SMETHWICK. Qualified and unqualified dispensing assistants, male or female, required for busy main road pharmacy. Well paid permanent posts for suitable keen applicants with experience. Full personal particulars, also references, experiences and salary required, to Carr, Chemist, West Smethwick, Birmingham. C 1218

DISPENSERS with considerable experience of West and North London. Apply Box C 517
FINCHLEY DISTRICT. Unqualified assistant dispensing experience; substantial and de pharmacy; good salary plus participation in scheme. Excellent opportunity for keen, e applicant. Living accommodation not a All replies treated in strict confidence. Box
LONDON CO-OPERATIVE Chemists Ltd. applications from experienced pharmac branch managerial vacancies in pleasant s areas. Modern, well-equipped shops wit supporting staffs, attractive salary, genero mission, with payment for all rota duties tions permanent and superannuated, with e promotion prospects. Choice of living ac tion, house or flat, where required. Full lars as to experience, wages required, Superintendent Chemist, Grange Rd., Leyto

LONDON. Unqualified assistant wanted (gentleman) dispensing experience essential. wages. No Sunday or holiday duty. Please stating age, experience and salary required, C 1261.

LONDON, N.10. Lady assistant required counter, window and some dispensing exp Apply, Proctor Cole, Ltd., 116 Avenue Muswell Hill.

NORTH LONDON. Unqualified assistant for dispensing and counter. Please state lars and salary to J. H. P. Bolton, Ltd Green, Winchmore Hill.

PHARMACIST. Experienced manager for London branch. Living accommodation quired. Excellent prospects. Apply Box
PHARMACISTS wanted to act as branch m in modern well-fitted pharmacies in Glasgo arksire and Ayrshire. Good salaries with annuation scheme in operation. An optical fication will be an advantage. Application writing, stating age, experience and when av to The Technical Supervisor, S.C.W.S., Lt tail Drug Department, 187 Bogmoor Rd., hall, Glasgow.

QUALIFIED CHEMISTS required by firm e standing. Good wages. Permanency. Turner & Sons (Cambridge), Ltd., 36 Trin Cambridge. Phone Cambridge 3425/6. Box
QUALIFIED LADY ASSISTANT required for class pharmacy. Private dispensing only. Co post. No duties. One lady assistant kept. giving details age, etc., to Trembath, Barr Devon.

QUALIFIED MANAGER required for branch macy. Salary £10 per week plus house o mises free of rent, rates and light. Apply to tary, Robert Read (Thorne), Ltd., Fink Thorne, Yorks.

UNQUALIFIED, EXPERIENCED young lad clerical duties in chemist's office. Must be tomed to figures. Permanency. London. "B" c/o Box C 5159.

WANTED. Good all-round unqualified as general duties, country pharmacy. Hours Box C 1181.

WE HAVE SEVERAL interesting and we vacancies for unqualified staff in the London of Ilford, Greenford, Hounslow and Epping. cation in first instance to Superintendent Ch London Co-operative Chemists, Ltd., Grange Leyton, E.10.

LOCUMS WANTED

QUALIFIED LOCUM required January for 6 months, for Central Pharmacy. Duties r dispensing under B.Pharm. Apply per r stating terms, to Superintendent Chemist, Dev Pioneers' Ind. Soc., Ltd., 41 Northgate, Dew

Situations Open—Continued

S, qualified, wanted to act as locums in Glasgow and district. Salary per week. Immediate vacancies. Applying age, experience and when free, to Chemical Supervisor, S.C.W.S., Ltd., Retail Department, 187 Bogmoor Rd., Shieldhall, C 1260

RETAIL (OVERSEAS)

ED PHARMACIST, single man, required of four years each, by company with office in Nairobi and branches throughout Africa. Salary scale £630 x £30 annually to £50 annually to £920 plus cost of living at present £120 per annum. Two annual local leave and three clear months leave on full basic salary at end of each message paid both ways. Contract renewable agreement at end of each tour. Write C 1207.

WHOLESALE

VACANCY EXISTS for a chemist with B.Sc. R.I.C. qualifications in either the control laboratory of a West London firm manufacturing chemists. The position is a permanent one. Future promotion and salary will depend on ability, but in the first instance will be at least £500 per annum. Five-day pension scheme. Write, giving fullest details of experience and salary required, to Box C 1268.

BEING AND PUBLICITY. A well-established firm of manufacturing chemists require a chemist to assist with its advertising and publicity. This is an interesting and progressive one, with excellent prospects. Special consideration given to a man having practical knowledge of the mechanical and technical side of advertising. A knowledge of printing, and some experience in export advertising would be an advantage. The man sought should be between the ages of thirty and forty, and a good salary will be paid to the right man. Apply in strict confidence to the particulars including age and salary required, to Box C 5186.

BEING MANAGER required by manufacturers, small but of international reputation in special field. Professional background and experience in advertising ethical pharmaceuticals, and veterinary products essential. Attractive salary offered to right man. Box C 11.

IMPORTANT VACANCY occurs in the West of Scotland for a production manager with advanced and some chemical engineering experience. The position is one of responsibility and applicants should be conversant with large-scale manufacturing methods, as also modern auto-tinting and packaging equipment. Full details of experience, qualifications and personal particulars to Technical Director, Box C 5164. Owing to the impending retirement of the present buyer there will shortly be a vacancy for a fully qualified man as buyer of drugs and toilet goods department. Some experience of medical lamps would be useful. This is an opening for the right type of man. Applying full particulars of qualifications and experience, should be sent in writing to the Chairman, Gamages, Holborn. C 5165

CS. Representative required with first-class experience calling chemists, perfumiers, etc., to complete range world-famous perfumes, cosmetics, etc. Write in confidence, giving fullest details of past and present activities, experience and remuneration desired, to Box Z.D.187, Deacon's Court, 36 Leadenhall St., London, E.C.3. C 1262

APPOINTMENTS FOR JANUARY. Territories: (1) S.E. London, Kent, Sussex; (2) S.W. London, Surrey, Hampshire; (3) West Country; (4) Wales. A progressive manufacturing house whose outstanding products are steadily achieving pre-eminence, invite applications from the right men to share in the growing success and expansions.

Applicants must be car owners and have indisputable connections, sales record and high earning capacity. All round qualifications of more importance than age. Generous terms. Sole agencies will be considered. Full particulars, in confidence, are essential in first instance. Box C 1276.

EVANS MEDICAL SUPPLIES, LTD., require a representative to call upon retail pharmacists, hospitals and doctors in Cumberland and the Scottish Border Counties. Experience and knowledge of the area is an advantage, but young pharmacists having a flair for sales are invited to apply and, if suitable, would be accepted for training. Car provided. Full details of experience, qualifications and age, to Evans Medical Supplies, Ltd., Home Medical Department, Speke, Liverpool, 19. C 5167

EXPERIENCED REPRESENTATIVE with connection amongst manufacturing confectioners, mineral water trade and wholesale grocers, required in the West Country by old-established London manufacturer. Good salary, commission and expenses. Box C 5150.

JOHNSON & JOHNSON (Gt. Britain), Ltd., Slough, Bucks, invite applications for the post of pharmaceutical sales representative. Successful candidate will be required to reside in the Manchester area and to join superannuation scheme. Remuneration by salary, commission and expenses. C 1269

MAY & BAKER, LTD., Dagenham, Essex, have vacancies in their pharmaceutical preparations and packaging division for newly qualified pharmacists. The engagement is on the manufacture and packaging of ethical products, with opportunity for experiment in production and control methods. Salary according to age, qualifications and experience with prospects of advancement. There is a staff pension fund (contributory). Applicants should write, giving full details (confidential) and quoting reference No. 3661 to the Personnel Officer. C 5069

MANUFACTURING CHEMISTS, N.W. London, have a vacancy in their pill factory for an assistant with previous experience; 5-day week. Write, stating age, details of experience and salary required, to Box C 5157.

MEDICAL REPRESENTATIVES required in (a) South London, Hants and Oxon; (b) Kent and East Sussex. Applications are invited from pharmacists for the above vacancies. Ability and experience an advantage, but there are opportunities for young pharmacists who wish to train for this type of work. Residence on the territory would be required. Car provided. Pensions scheme in operation. Application, with full details, to Evans Medical Supplies, Ltd., Home Medical Department, Speke, Liverpool, 19. C 5168

MENLEY & JAMES, LTD., Medical Information Department. Applications are invited to fill a vacancy in our medical information department. Applicants must have a good educational background and preferably the Ph.C. or B.Pharm. qualification, and be able to deal with medical correspondence and literature research. This is a permanent post with good prospects. Apply in writing, stating age, qualifications and full details of previous experience, to Menley & James, Ltd., 123 Coldharbour Lane, London, S.E.5. C 5153

PHOTOGRAPHIC GOODS WHOLESALE require representative. Trade knowledge essential. Write Neville Brown, Newman Yard, W.1. C 1139

Situations Open—Continued

PRODUCTION CHEMIST required for West London manufacturing house. Previous experience in medium scale galenical work and assaying desirable. Please give full details and salary required. Box C 18.

REPRESENTATIVE for territory including S. W. London, Kent, Surrey, Sussex, Hampshire, experience in chemist lines, car owner, required by well known London house. Excellent prospects assured for progressive and conscientious man. Good salary, expenses and commission. Give full details including age. Applications in strict confidence to the Managing Director. Box C 5147.

REPRESENTATIVES REQUIRED on generous commission basis for well-known and nationally advertised household dyes to call on chemists, stores, Co-ops., etc., in Eastern Counties, Home Counties, London area, and South-Eastern Counties. Full particulars to Whitaker & Co. (Kendal), Ltd., Kendal. C 1271

REQUIRED, TRAVELLER calling on hairdressers, chemists, mfg. chemists, soap and cosmetic manufacturers, to carry varied selection of perfume compositions and aromatic specialities. Liberal commission. Apply Box C 1246.

SALES REPRESENTATIVES required to call on retail pharmacists in (a) North Liverpool and Isle of Man; (b) North-East Lancashire. Applicant must have an intimate and practical knowledge of retail pharmacy requirements, and be able to arrange residence on the area. Car provided. Pensions scheme in operation. Application, with full particulars, to Home Sales Director, Evans Medical Supplies, Ltd., Speke, Liverpool, 19. C 5166

SCOTLAND. 2. Lancashire and Cheshire. These territories with existing connections, substantial goodwill and exceptional scope, will become vacant January. Well-known progressive manufacturers, marketing impressive range of pharmaceutical products invite applications from thoroughly experienced salesmen with high earning capacity. Applicants must be car owners and with indisputable proof of connections and sales record. Permanent and progressive appointment. Salary, expenses and commission. Sole agency basis considered. Fullest particulars necessary prior to interview. Box C 1275.

SAVORY & MOORE, LTD., Standard Works, Lawrence Road, N.15, require an unqualified assistant in the analytical department of their factory at Tottenham. Remuneration in accordance with age and experience. Apply to the Factory Manager, giving full particulars of career to date. C 5183

TABLET MAKER required by London manufacturing chemists, experienced in the production of high-class products and use of rotary machines. Apply, stating age and salary required, to Box C 5182.

TABLET MAKER. Experienced in single and multiple machine processes, granulation of pharmaceuticals required by London Manufacturing chemists. Write, stating age, experience and salary required, to Box C 5155.

YORKSHIRE AREA. Experienced salesmen or saleswomen calling on chemists required to sell advertised sanitary and household products. Commission basis with weekly drawing account. Interview arranged Yorkshire. Full details and area covered, to Box C 1254.

YOUNG PHARMACIST, 23/25 years, recently qualified, required by London firm of manufacturing chemists for production department, to assist in control. Applications invited from men interested in manufacturing of ethical pharmaceutical products. Apply, stating age, experience and salary required. Box C 5158.

YOUNG, ENERGETIC COATER required by London manufacturing chemists; knowledge of coloured work essential. Apply, giving age, experience and salary required in first instance, to Box C 5156.

WHOLESALE (OVERSEAS)

IMPERIAL CHEMICAL INDUSTRIES, LTD., vacancies for young pharmacists in India and Africa. Candidates should have a pharmaceutical background, pharmaceutical qualifications preferred, and be under 30 years of age. Preference will be given to single men. The duties consist of medical and/or veterinary representative work. Applications with full particulars should be addressed to Imperial Chemical (Pharmaceuticals) Ltd., Office Service Department, Fulshaw, Wilmslow, Manchester.

INDIA AND FAR EAST. May & Baker Dagenham, Essex invite applications from pharmacists for positions as junior sales managers overseas. Candidates must be single men, age not over 28 years, and should have a good general education, previous selling or sales office experience, and apply initially in writing giving full details of education and experience. Reference No. must be quoted on all applications which should be addressed to the Personnel Officer.

SITUATIONS WANTED

3/- for 18 words (min.) then 2d. per word. B

RETAIL (HOME)

EXPERIENCED DISPENSING ASSISTANT (unqualified) seeks post in Portsmouth or Brighton. Month's notice required. Box C 1265.

WHOLESALE

GENTLEMAN, age 40, 23 years' comprehensive all-round experience of the pharmacy trade, wholesale and manufacturing, used to factor sales control and organisation, seeks good position with reliable firm in any part of England or Wales. Box C 1274.

GENTLEMAN, aged 42, Public School education, years' experience of cosmetics in all branches, desires post as sales manager with progressive company. Available January. Box C 1251.

GENTLEMAN, age 35, unqualified, good appearance and personality. 4½ years' hospital experience, 2 years dispensing and retail pharmacy. Keen student of modern salesmanship, desire to represent reputable firm, London preferred but will consider elsewhere. Box C 1225.

REPRESENTATIVE desires change. East Midlands area preferred. Proprietary house where education, experience, car and valuable connection with chemists and stores considered an asset. Expenses and commission desired. Box C 1212

WORKS CHEMIST, 22 years' practical experience in manufacturing of fine chemicals, extracts, dyes, amino acids, polishes, etc.; 7 years' full-time of factory. Box C 1282.

YOUNG ASSISTANT EXPORT manager, 7 years' with present employers of world repute, French, German, Danish, seeks change. Prepared to travel overseas. Open any proposition.

WHOLESALE (OVERSEAS)

EXECUTIVE (SCOT) contemplating settling in Australia desires contact company or group representative pharmacist with many years wide experience marketing and selling drugs, chemicals, calcs, packed goods. Prepared to wait for opening. Box C 1214.

AGENCIES WANTED

8/6 for 36 words (min.) then 3d. per word. B

DUBLIN AGENT, with first-class connections, desires good repeat line. Only well-known firms considered. Box C 1252.

BUSINESS OPPORTUNITIES

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LED LABOUR and 3,000 sq. feet of factory available until end of March for clean packing-assembling. Jones & Bailey, Ltd., 70/72, Rye Rd., London, N.7. C 1253

KNOWN SCOTTISH chemical manufacturer bottling and filling plant would be interested in packing and distribution of advertised products on sole distribution only. First-connection with grocery and allied trades in all Scottish areas by well-organised mobile force. Full particulars, which will be treated in confidence, should be addressed to the Sales Rep., Box C 5175.

NOT LET US make your showcards exclusive photographic showcards the ideal medium for all quantities. Colour, black and white. Made to any size. Let us quote you. 36 King Street, W.C.2. Temple Bar C 1281

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LE. Jones Hand Filler Cigarette Machine (No. 1). Excellent condition. Redundant. Output 10 cigarettes per hour. Price, £27 10s. (Robe) Products, Ltd., 1391 Leighton Road, Leigh-on-Sea, Essex. C 1280

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ISERS will make cash offers by return for parcels of stearic acid, lanoline and stearine. and particulars to Box C 1238.

YOU ANY stock of Lalkala cigarettes or an asthmatical sufferer would be grateful if anyone could supply her. Write Nichols, House, 7 Laurence Pountney Hill, London, E.4. C 1258

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for 36 words (min.) then 4d. per word. Box 2/-

D 524 unishell frames highest quality, flesh, A.L. and brown. One price 85/-, C.O.D. Post free. PD. 60, 62, 64 and Spectacle Frame Co., 12 Woodstock Rd., London, W.1. C 1247

UL JARS by Wood Bros. Offers wanted gross each 2 oz. and 4 oz. taper jars. Also lack of cosmetic, bath salts, ointment, medical sauce bottles and jars for disposal. First offer accepted. Box C 1122.

FOR DISPOSAL. 60,000 4-oz. white, bottles, screw neck, ribbed one face, black cap to fit, with, or without black rubber caps. Offers to Box C 5151.

CRYSTAL SESQUI-CARBONATE of soda, 2 cwt. lots, 40/- delivered free London area. Apply Neo-Chemicals, Ltd., Alert Works, Durban Rd., Seven Kings. Telephone Seven Kings 2055. C 1255

EXHAUSTED (spent) tolu available. Best offer. Box C 1194.

GLASSBLOWING, medical, scientific, and repetition by Hall, Drysdale & Co., Ltd., 58 Commerce Rd., Wood Green, London, N.22. Phone: Bowes Park 7221. C 12

GOOD SECONDHAND hydraulic tincture press, having one fixed and one moving platform, size 2 ft. 9 in. square; four 2½ in. diameter columns; 7 in. ram; 2 ft. stroke; suitable for working pressure 750 lb. 12 tons pressure. Complete with power pump. Price £100 nett. Box C 1224.

OFFERS WANTED. 10 ton flake caustic soda (1-cwt. drums); 4 ton B.P. bicarbonate of soda; 1 cwt. to 1 ton permanganate potash; 10 ton amber petroleum jelly; 2 cwt. senna pods; 4 cwt. pot. nitrate B.P. granular, peppermint oil, menthol crystals. Henning, Ltd., Larne. C 1256

SACCHARIN TABLETS, five-fifty .02 gr. packed in 100's envelopes boxed in 1 gross boxes 5 gr. at 54/- gr. Post paid. Cheque with order. Special quotation for larger quantities. Kale Bros., 23 St. Kilda's Rd., London, N.16. C 5173

STANDARD SACCHARIN TABLETS. 0.2 gr. 550, in envelopes of 100 tablets, boxed in 1 gross lots. 1 to 5 gross at 58/- p. gross. Quotations for larger quantities by return. Tell Products, Ltd., 22-24 Rosemont Rd., N.W.3. C 6

SURPLUS STOCK. Offers invited for any of the following: 20 winchesters chloroform B.P.; 150 winchesters spirit chloroform B.P.; 70 winchesters ext. glycyrrhizæ liq.; 56 lb. phenol phthalein; 100,000 8-oz. liner bags; 300 gross pil. ferri, pearl coated, gr. 5; 2 cwt. bismuthated magnesia tablets, gr. 15; 140,000 tab. phenol phthalein, gr. 2; 60 gross 7-dram vials, cork mouth; 8 cwt. caramel; 150 gross 4-oz. jars with tinplate caps. Moore's (Sheffield), Ltd., 8 & 10 Granville St., Sheffield. C 1270

PARTNERSHIPS

17/6 for 36 words (min.) then 4d. per word. Box 2/-

OPPORTUNITY KNOCKS for pharmacist gentleman with a view to partnership and subsequent succession for the right man in an old-established good-class dispensing business in a Manchester suburb. Full particulars to Box C 1272.

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SHORT NOTICE OF SALE. By Order of OFFICIAL RECEIVER in BANKRUPTCY re Madelox, Ltd., 168 Corporation St. (opp. Co-op. Insurance Society), MANCHESTER. Charles Taylor & Sons will sell by auction, without reserve, on TUESDAY, 13th December, at 11 a.m., the stock of COSMETICS and CHEMISTS' SUNDRIES (amounting to about £8,000 at cost). Catalogues (send stamped addressed envelope) from the Auctioneers, 28 Queen St., MANCHESTER, 2. C 1266

PUBLIC NOTICES

18/- per half-inch (min.) and pro rata. Box 2/-

BY RADIESTHESIA, quantitative determinations of chemical or bacterial constituents: The London D-M Research Group invites readers to its fourth Season's Lectures at 11 Chandos Street, W.1; or offers to post abstracts. Hon. Sec., Moulsham Mill House, Chelmsford. C 5187

SPECIAL ANNOUNCEMENT

All who are considering taking an optical qualification under the present regulations of N.A.O. and I.O.S. (D. Opt.) must register as students before December 31st, 1949.

After this date, new regulations come into force whereby it will be necessary for students to complete a full-time course extending over a period of three years.

Registration of students for optical tuition under the existing regulations are now being accepted, and it is important therefore to send us details *immediately* in order that the necessary forms can be completed within the time limit.

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